

<223> Description of Artificial Sequence:primer

<220>

<221> misc\_feature

<222> (1)..(450)

<223> 5' terminal sequence. epidermal growth factor receptor (avian erythroblastic leukemia viral (v-erb-b) oncogene homolog) (EGFR) gene.

<400> 136

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<210> 137

<211> 5532

<212> DNA/RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc\_feature

<222> (1)..(5532)

<223> epidermal growth factor receptor (avian erythroblastic leukemia viral (v-erb-b) oncogene homolog) (EGFR) gene.

<400> 137

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## 94/292

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&lt;210&gt; 138

&lt;211&gt; 378

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(378)

<223> 3' terminal sequence. tek tyrosine kinase,  
endothelial (venous malformations, multiple  
cutaneous and mucosal) (TEK) gene.

&lt;400&gt; 138

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ggatnagant ttanaggcaa gacattttatt cactcatgat atatcagtgc aaagtgtgcc 60
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ttattttatc ctaaaccttat gtatacttct ctaaagattc ttagggtctg taagcaatga 300
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accocaggnc cggagtgg 378

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&lt;210&gt; 139

&lt;211&gt; 447

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(447)

<223> 5' terminal sequence. tek tyrosine kinase,  
endothelial (venous malformations, multiple  
cutaneous and mucosal) (TEK) gene.

&lt;400&gt; 139

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&lt;210&gt; 140

<211> 4138  
 <212> DNA/RNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:primer

<220>  
 <221> misc\_feature  
 <222> (1)..(4138)  
 <223> tek tyrosine kinase, endothelial (venous malformations, multiple cutaneous and mucosal) (TEK) gene.

<400> 140  
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gcacattgta aaaagtttta gttttgatg gtgtgagtt taccttgtat actgtaggca 4080
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<210> 141
<211> 395
<212> DNA
<213> Artificial Sequence

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<220>
<223> Description of Artificial Sequence:primer

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<220>
<221> misc_feature
<222> (1)..(395)
<223> 3' terminal sequence. tumor necrosis factor
receptor superfamily, member 6 (TNFRSF6) gene.

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atttcttaaa attcaccattt aatacaaaact ttcaaaagata tttaaacgta ggaatagtagt 180
aaggagaaac ttaaatctta gaaacttggg ggtatgacaa gagcaattcc taataccaga 240
tgatgatttt accatgtcta tgtataagct gccattttga ggcaggtttt acatggggac 300
attattgaac attttcgggg ggtgggggga aaaataaagn atctatttta tccactcttg 360
gattgcaaaa cctgggggttc angacatggt caca 395

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<210> 142
<211> 461
<212> DNA
<213> Artificial Sequence

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<220>
<223> Description of Artificial Sequence:primer

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<220>
<221> misc_feature
<222> (1)..(461)
<223> 5' terminal sequence. tumor necrosis factor

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receptor superfamily, member 6 (TNFRSF6) gene.

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<400> 142
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tactagtgc tcagaaaatt caaacttcag aatatgaaatc caaagcttgg tctagagtga 180
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gccaacatat ttgtagggtt ttaatatctc catggatttc gcctccaagg gtgtttaaaa 360
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<210> 143
<211> 2551
<212> DNA/RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:primer

<220>
<221> misc_feature
<222> (1)..(2551)
<223> tumor necrosis factor receptor superfamily,
        member 6 (TNFRSF6) gene.

<400> 143
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cctacctctg gttcttactg ctgttgct ag attatcgccc aaaagtgtta atgcccgaat 300
gactgacatc aactccaagg gattggaatt gaggaagact gttactacag ttgagactca 360
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tgatgaagaa catggcttag aagtggaaat aaactgcacc cggaccaga ataccaagt 600
cagatgtaaa ccaaaccttt ttgttaact tactgtatgt gaacactgtg acccttgcac 660
caaatgtaaa catggaatca tcaagggaatg cacactcacc agcaacac ca agtgcaaga 720
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ctttgtttgc aagaatgtgt tcaatgaagc caaaatagat gagatcaaga atgacaatgt 1020
ccaagacaca gcagaaacaga aagttcaact gcttcgtaat ttgcataaac ttcattgga 1080
gaagaagcg tatgacacat tgattaaaga tctcaaaaaa gccaatcttt gtactcttgc 1140
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cagaaaatgaa atccaaagct tggctctagag tgaacaaaca caaattcagt tctgagtata 1260
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gattatgctc tggcatctaa catatgattc tgtagtatga atgtaatcag tgtatgttag 1560
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acagtttatt ggtgtcatat tatacaatat ttcaattgtg aattcacata gaaaacata 1860
aattataatg ttgtactatt atatatgtgt atgcatttta ctggctcaaa actacctact 1920
tctttctcag gcatcaaaag catittgagc aggagagtat tctgagact ttgccacct 1980

```

```

tccatttttg ccttggtgct catcttaat g gctaataatg ccccaaaaca tggaaatc 2040
accaaaaaat acttaatagt ccacaaaaag gcaagactgc ccttagaaat tctagcctgg 2100
ttggagagata ctaactgctc tcagagaaag tagctttgtg acatgtcatg aaccatgtt 2160
tgaattcaaa gatgataaaa tagatttcta tttttccccc acccccgaag atgttcaata 2220
atgtcccatg taaaacctgc tacaatggc agcttataca tagcaatggt aaaatcatca 2280
tctggattta ggaattgctc ttgtcatacc cccaagtttc taagatttaa gattctcctt 2340
actactatcc tacgttttaa tatctttgaa agtttgtatt aaatgtgaat ttaagaaat 2400
aatatttata tttctgtaaa tgtaactgt gaagatagtt at aaactgaa gcagatacct 2460
ggaaccacct aaagaacttc catttatgga ggattttttt gcccttctgt tttggaatta 2520
taaaatatag gtaaaagtac gtaattaaat a 2551

```

&lt;210&gt; 144

&lt;211&gt; 434

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(434)

<223> 3' terminal sequence. cyclin -dependent  
kinase inhibitor 1a (p21, cip1) (CDKN1A) gene.

&lt;400&gt; 144

```

aaagtcacta agaatcattt atnagcacc tgctgtatat tcagcattgt gggaggagct 60
gtgaaagaca cagaacagta cagggtgtgg tccctgacct cgagagggtt acagcttagg 120
tggagaaacg ggaaccagga cacatgggga gccagagaaa aacagtcag gccagtatgt 180
tacaggagct ggaaggtnnt tggggtcaga cccaataact ccaagtacac taagcatctc 240
agtccttcca ggggctcaac gttagtgcga ggaagacaa ctactccag ccccatatga 300
gccacgtggt gatgcctgt ccatagcctc tactgccacc atcttaaaat gtctgactcc 360
ttgttccgtt ggctaattca aagtgcattg aactggggag ggaatggggg gatgaggaag 420
gttcgntgga cgtt 434

```

&lt;210&gt; 145

&lt;211&gt; 257

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(257)

<223> 5' terminal sequence. cyclin -dependent  
kinase inhibitor 1a (p21, cip1) (CDKN1A) gene.

&lt;400&gt; 145

```

cttgtgctgc ntncagggg a gcaggctgaa ggggtcccag gtggacctgg agactctcag 60
ggtcgaaaac ggcggcagac cagcatgaca gatttctacc actccaaacg ccggtgatc 120
ttctccaaga gaaagcccta atccgccac aggaagcctg cagtctctga agcgcgaggg 180
cctcaaagcg cntnctnaca tcttctgcct tagtctcagt ttgtgtgtct taattattat 2 40
tttgttttta aattttt 257

```

&lt;210&gt; 146

&lt;211&gt; 2121

99/292

&lt;212&gt; DNA/RNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(2121)

&lt;223&gt; cyclin-dependent kinase inhibitor 1a (p21, cip1) (CDKN1A) gene.

&lt;400&gt; 146

```

gccgaagtca gttccttgg gagccggagc tggggcggga ttcgccgagg caccgaggca 60
ctcagaggag ggcgcctgtc agaaccggct ggggatgtcc gtcagaaccc atgcggcagc 120
aaggcctgcc gcgcctcttt cggccccagt gacagcgagc agctg agccg cgactgtgat 180
gcgctaatgg cgggctgcatt ccaggaggcc cgtgagcgat ggaacttcga cttgtcacc 240
gagacaccac tggaggggtga cttccgctgg gagcgtgtgc ggggccttgg cctgcccaag 300
ctctaccctc ccacgggggcc ccggcgaggc cgggatgagt tgggaggagg caggcgccct 360
ggcacctcac ctgctctgct gca ggggaca gcagaggaag accatgtgga cctgtcactg 420
ctttgtaccc ttgtgcctcg ctcaggggag caggctgaag ggtccccagg tggacctgga 480
gactctcagg gtogaaaaag cggcagagcc agcatgacag attctacca ctccaaacgc 540
cggctgatct tctccaaagc gaagccctaa tccgccaca ggaagcctgc agtccctgaa 600
gcgcgagggc ctccaaagcc cgcctcacat cttctgcctt agtctcagtt tgtgtgtctt 660
aattattatt tgtgttttaa tttaaaccac tctctatgta cataccctgg ccgccccctg 720
ccccccagcc ctctggcatta gaattattta aacaaaaact aggcggttga atgagaggtt 780
cctaagagtg ctgggcattt ttattttatg aaataactatt taa agccctcc tcattccctg 840
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tccccacttg tccgctgggt ggtaccctct ggagggggtg ggctccttcc catcgctgtc 960
acaggcggtt atgaaattca cccctttccc tggacactca gacctgaatt ctttttcaat 1020
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cctgtccccc ccccaccccc agctcaatgg actg gaaggg gaaggggcac acaagaagaa 1500
gggcacccta gttctacctc aggcagctca agcagcgacc gcccccctct ctactgttgg 1560
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gtatatgatg ggggagtaga tctttctagg agggagacac tggccctcca aatcgctcag 1680
cgacctctct catccacccc atccctcccc agttcatgac actttgatta gcagcggaac 1740
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taacatactg gctctggactg ttttctctcg gctccccatg gctcctgttc cctgtttctc 1980
cacctagact gtaaacctct cgagggcagg gaccacaccc tgtactgttc tgtgtctttc 2040
acagctctct ccacaatgct gaatatacag caggtgtctca ataaatgatt ctttagtgact 2100
ttaaaaaaaa aaaaaaaaaa a
2121

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&lt;210&gt; 147

&lt;211&gt; 452

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature



<222> (1)..(452)  
<223> 3' terminal sequence. phospholipase a2,  
group iia (platelets, synovial fluid) (PLA2G2A)  
gene.

<400> 147  
gattttgctaa ttgcttttatt cagaagagac ccccgaggat acagcttctt tggttaagca 60  
cgaggtttag gtggaggaga gcagtagaag gctggaaatc tgctggatgt ctcattctgg 120  
tggggtatag aagggtcctc gcctggcctc taggatgggt gagggaatgt ttctgcatgg 180  
ccaaggaact tggttagggt agggaggag ggtatgagag agggaaatc agcactgggt 240  
ggaaggttcc cagggaaagag gggactcagc aacgaggggt gctccctctg cagnttttat 300  
tggaatagta ctggtacttt ttattgtagg tegtcttntt tctagcaaaa cagggtngca 360  
gcagccttat cacacttca c acagttgact tctgcaggag tccctntttt gcacaggttg 420  
attctgctcc ccgaagttac taaacttttt tt 452

<210> 148  
<211> 379  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:primer

<220>  
<221> misc\_feature  
<222> (1)..(379)  
<223> 5' terminal sequence. phospholipase a2,  
group iia (platelets, synovial fluid) (PLA2G2A)  
gene.

<400> 148  
tgagtcctc tgagagagcc accaaggagg agcaggggag cgacggccgg ggcagaagt 60  
gagaccacc agcagaggag ctaggccagt ccatctgc at ttgtcaccca agaactctta 120  
ccatgaagac cctcctactg ttggcagtga tcatgatctt tggcctactg caggcccatg 180  
ggaatttgggt gaatttcac agaatgatca agttgacgac aggaaggaa gccgcactca 240  
gttatggctt ctacggctgc cactgtggcg tgggttgca aggatcccc aaggatgcaa 300  
cggattcgct gctgtg tcac tcatgactgt ttgctacaaa cgtctgggag aaacgtgggt 360  
tnttgcacc aaattttt 379

<210> 149  
<211> 854  
<212> DNA/RNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:primer

<220>  
<221> misc\_feature  
<222> (1)..(854)  
<223> phospholipase a2, group iia (platelets,  
synovial fluid) (PLA2G2A) gene.

<400> 149  
gaattcccaa ctctggagtc ctctgagaga gccaccaagg aggagcaggg gagcgacggc 60  
cggggcagaa gttgagacca ccacgacagag gagctaggcc agtccatctg catttgtc ac 120  
ccaagaactc ttaccatgaa gaccctccta ctgttggcag tgatcatgat ctttggccta 180  
ctgcaggccc atgggaattt ggtgaatttc cacagaatga tcaaagttgac gacaggaaag 240  
gaagcgcac tcagttatgg ctcttacggc tgccactgtg gcgtgggttg cagaggtacc 300

```

cccaaggatg caacggatgc ctgctgtgtc actcat gact gttgctacaa acgtctggag 360
aaacgtggat gtggcaccaa atttctgagc tacaagttta gcaactcggg gaggagaatc 420
acctgtgcac aacaggactc ctgcagaagt caactgtgtg agtgtgataa ggctgctgcc 480
acctgttttt ctagaacaaa gacgacctac aataaaaagt accagtacta ttcaaataaa 540
cactgcagag ggagcaccoc tegtgtctga gtccctctt ccttggaac cttccacca 600
gtgtgaatt tccctctctc ataccctccc tccctaccct aaccaagttc cttggccatg 660
cagaagcat cctcaccoca tcttagaggc caggcaggag cccttctata cccaccaga 720
atgagacatc cagcagattt ccagccttct actgctctcc tccacctcaa ctccgt gctt 780
aaccaaagaa gctgtacttc ggggggtctc ttctgaataa agcaattagc aatcaaaaa 840
aaaaaaagga attc 854

```

&lt;210&gt; 150

&lt;211&gt; 224

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:p rimer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(224)

&lt;223&gt; 3' terminal sequence.

glyceraldehyde-3-phosphate dehydrogenase (GAPD)  
gene.

&lt;400&gt; 150

```

ggttgagcac agggnaacttt attgatggna catgacaagg tgcggctccc taggcccctc 60
ccctnttcaa ggggtctaca tggcaact nt gaggaggga gattcagtg ggtgggggac 120
tgagntggc agggactccc cagcagtgag ggtctctctc ttcccttnt gctcttntcg 180
ggngtggtgg nccagggnnt ttactccttg gaggccatnt gggc 224

```

&lt;210&gt; 151

&lt;211&gt; 359

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(359)

&lt;223&gt; 5' terminal sequence.

glyceraldehyde-3-phosphate dehydrogenase (GAPD)  
gene.

&lt;400&gt; 151

```

ggcgtgagta cgtcgtggag tccactggcg tcttcaccac catggagaag gctggggctc 60
atttgacagg gggagccaaa agggatcatc tctctgccc ctctgtgat gccccatgt 120
tgtcatggg tgtgaacatc gagaagtatg acaacagcct caagatcatc agcaatgcct 180
cctgcaccac caactgctta gcacccctgg gccaaagttc tccatgacaa ctttggtatc 240
gtggaaggac tcatgaccac agtccatgcc atcactgcca c ccagaagac tgtggatggc 300
ccctncggga aactgtgggc gtgatggccg cggggttctt tcagaacatc atccctgcc 359

```

&lt;210&gt; 152

&lt;211&gt; 1283

&lt;212&gt; DNA/RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc\_feature

<222> (1)..(1283)

<223> glyceraldehyde-3-phosphate dehydrogenase  
(GAPD) gene.

<400> 152

```
ctctctgctc ctctctgttc acagtcagcc gcattcttct ttgcgtcgcc agccagagcca 60
catcgctcag acacatggg gaaggtgaag gtcggagtca acgatttgg tcgtattggg 120
cgctctgttc ccagggctgc ttttaactct ggta aagtgg atattgttc catcaatgac 180
cccttcattg acctcaacta catggtttac atgttccaat atgattccac ccatggcaaa 240
ttccatggca ccgtcaaggc tgagaacggg aagcttgtca tcaatggaaa tcccatcacc 300
atcttcaggc agcgagatcc ctccaaaatc aagtggggcg atgctggcgc tgagtacgct 360
gtggagtcca ctggcgtctt caccaccatg gagaaggctg gggtcattt gcagggggga 420
gccaagaagg tcattcatct tgcctcctct gctgatgccc ccatgttcgt catgggtgtg 480
aacatgaga agtatgacaa cagcctcaag atcatcagca atgcctcctg caccaccaac 540
tgcttagcac cctgggcaa ggatcatccat gacaactttg gtatcgtgga agga ctcatg 600
accacagtcc atgcatcac tgccaccag aagactgttg atggccctc cgggaaactg 660
tgcgctgatg gccggggggc tctccagaac atcatcctg cctctactgg cgctgccaag 720
gctgtgggca aggtcatccc tgagctgaac ggaagctca ctggcatggc ctctcgtgct 780
cccactgcca acgtgtcagt ggtggacctg ac ctgccgtc tagaaaaacc tgccaaatat 840
gatgacatca agaaggtggt gaagcaggcg tcggagggcc cctcaaaggc catcctgggc 900
tacactgagc accaggtggt ctctctgtac ttcaacagcg acacccactc ctccactctt 960
gacgctgggg ctggcatgac cctcaacgac cactttgtca agctcatttc ctggtatgac 1020
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taagaccctt ggaccaccag cccagcaag agcacaaagag gaagagagag accctcactg 1140
ctgggggagt cctgccacac tcagtcccc accacactga atctccctc ctccagtgtg 1200
ccatgtagac ccttgaaga gggagggggc ctaggggagc gcaccttgt c atgtaccatc 1260
ataaagtac cctgtgctca acc                                     1283
```

<210> 153

<211> 361

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc\_feature

<222> (1)..(361)

<223> 3' terminal sequence. jun b proto-oncogene  
(JUNB) gene.

<400> 153

```
tacttaata gattcaatan aaagaacaaa cacacacaaa cacaacacg tcttaaaata 60
aactctttag agactaagtg cgtgtttctt ttccacagta cggtgcagag aggggagggc 120
agggggcggg ggtcccttcc caatgtcccc gcgggcttga gta ccaggcg gcggggccag 180
ctccntant ngccccctcc ttccccctcc tgttaataac acaaatatat tatattcaat 240
ntgaatcng tctntttcca gcagaaaaaa aacatacaaa aaaaagtggg aagggggggg 300
ctttnttaaa cgttcggang ttggaagcnc tttggggcnc aggggtaggg anggcccgag 360
t                                     361
```

<210> 154

<211> 401  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:primer

<220>  
 <221> misc\_feature  
 <222> (1)..(401)  
 <223> 5' terminal sequence. jun b proto -oncogene  
 (JUNB) gene.

<400> 154  
 agcgcacatcaa agtngagcgc angccttgcg gaaccggcctn gcggccacca agtgccggaa 60  
 gcggaantgg gagcgcacatcg ggcttgggag gacaaggatga agacgctcaa ggcgcagaaac 120  
 gcggggntgt cgagtaccgc cggcttcctc cgggagcagg tggcccagct caaacagaag 180  
 gtcatgaccc acgtnagc aa cggctntnag ctgctgcttn gggatcaagg acacgccttc 240  
 tggaaacgttc cctgcctctt tacgggacac cccttcggt tnggaacggt nggcacacgg 300  
 ttcccacatn gggttccagg gtagcaggcg gtggggnaac cacctggggg acntaggggg 360  
 cgnccgcaaa ccacattnng atttcgggac ttcttaacct t 401

<210> 155  
 <211> 1797  
 <212> DNA/RNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:primer

<220>  
 <221> misc\_feature  
 <222> (1)..(1797)  
 <223> jun b proto -oncogene (JUNB) gene.

<400> 155  
 ccagcaggga gctgggagct gggggaaaac acgc caggaa agctatcgcg ccagagaggg 60  
 ccacgggggc tcgggaagcc tgacagggtc ttgtgcgaca gctgcgggct ggtgctacc 120  
 cgcccgcgcc agcccccgag aacgcgcgac caggcaccca gtccggtcac cgcagcgagg 180  
 agctcgcgcg tcgctgcagc gaggccccga gcggccccgc agggaccctc cccagaccgc 240  
 ctgggcccgc cggatgtgca ctaaaatgga acagcccttc taccacgacg actcatcac 300  
 agctacggga tacggccggg cccttggttg cctctctcta cagactaca aactcctgaa 360  
 accgagcctg gcggccaacc tggccgaccc ctaccggagt ctcaaagcgc ctggggctcg 420  
 cggaccgcgc ccagagggcg gcggtggcgg cagctacttt tctggtcagg gctcg gacac 480  
 cggcgcgatc ctcaagctcg cctcttcgga gctggaacgc ctgattgtcc ccacagcaa 540  
 cggcgtgac acgacgaagc ctacaccccc gggacagtac ttttaccccc cggggggtgg 600  
 cagcgtgga ggtgcaggcg gcgcaggggg cggcgtcacc gaggagcag agggcttcgc 660  
 cgacggcttt gtcaaagccc tggacgatct gca caagatg aaccacgtga cccccccaa 720  
 cgtgtccctg ggcctacacg gggggccccc ggctggggcc gggggcgctc acgcgggccc 780  
 ggaagcaact cccgtttaca ccaacctcag cagctactcc ccagcctctg cgtcctcggg 840  
 aggcgcggcg cgtgcgctcg ggaacgggag ctcgtaaccg acgaccacca tcagctacct 900  
 cccacacagc cccgccttcg ccggtggcca cccggcgag ctgggcttgg gcgcgctcgc 960  
 ctccaccttc aaggaggaaac cgcagaccgt gccggaggcg cgcagccggg acgccaacgc 1020  
 gccggtgtcc cccatcaaca tggaaagacca agagcgcatc aaagtggagc gcaaggcgct 1080  
 gcggaaccgg ctggcgcgca ccaagtgcgc gaagcgggag ctggagcgca t cgcgcgct 1140  
 gaggagcaag gtgaagacgc tcaaggccga gaacgcgggg ctgtcgagta ccgcggcgct 1200  
 cctccgggag caggtggccc agctoaaca gaaggtcatg acccaagtcga gcaacgctg 1260  
 tcagctgctg cttgggtgca agggacacgc cttctgaacg tccctgccc ctttacggac 1320  
 accccctcgc ttggaaggct gggcac acgc ctcccactgg ggtccaggga gccggcggtg 1380  
 ggcaccacac ctgggacctg gggcgccgc aaaccacact gaactccggc cccctaccc 1440

104/292

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tgcgcccagt ccttccacct cgaagtgttac aagccccccc ttccactttt ttttgtatgt 1500
ttttttttctg ctggaaacag actcgatttca tattgaatat aatatatttg tgtatttaac 1560
agggaggggga agagggggag atcgcgggcg agctggcccc gccgcctggt actcaagccc 1620
gcggggacat tgggaaggag acccccggccc cctgccctcc cctctctgca ccgtactgtg 1680
gaaaagaaac acgcacttag tctctaaaga gtttatttta agacgtgttt gtgtttgtgt 1740
gtgtttgttc tttttattga atctatttaa gtaaaaaaaa aattgtgtctt ttatttaa 1797

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&lt;210&gt; 156

&lt;211&gt; 335

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)..(335)

&lt;223&gt; 3' terminal sequence. cellular retinoic acid-binding protein 2 (CRABP2) gene.

&lt;400&gt; 156

```

aagcattttta ataaaattaa caaataaata ttctaaactg tataggctac agggacaaaag 60
ggtagaagct agaggggcag ttttctctgc tcaggccctc aagtccctt tagagagacc 120
ctgctctggg ctgggtttgg gctaggactg ctgacttggg gaggcgggga gtgaacccgg 180
aatgggtgat ctgggctctt gcagccattc ctctttgttg gtgtagggga ggagagaaga 240
ggtcaaaagaa agcaagacc tcgaagaggc atccacgtga ccccccagaag tgactggggg 300
aaggggagcg ctatcctag anggtggggg tgggt 335

```

&lt;210&gt; 157

&lt;211&gt; 481

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)..(481)

&lt;223&gt; 5' terminal sequence. cellular retinoic acid-binding protein 2 (CRABP2) gene.

&lt;400&gt; 157

```

gcctggactt gtettgggtt ccagaacctg acgacccggc gacgcgacgt ctct tttagac 60
taaaagacag tgtccagtgc tccagcctag gagtctacgg ggaccgcctc ccgcgccgcc 120
accatgccca acttctctgg caactggaaa atcatccgat cggaaaaact cgaggaattg 180
ctcaaaagtgc tnggggtgaa tgtatgctg aggaagattg ctgtggctnc agcgtccaag 240
ccagcagtn agatcaaaaca ggaggagagac act ttctaca tcaaaacctc caccaccgtg 300
cgccaccaca gagattaact tcaaggttng ggaggagtgt gaggggagcag antgtgggtg 360
gggaggccct gttaaggagc ngggtgaaat ggggagagtg aggattaaat ggtcttttga 420
gcagaagttc ctgaaggng aggggccccca agacntcttg gaccngagaa tttnccacag 480
t 481

```

&lt;210&gt; 158

&lt;211&gt; 969

&lt;212&gt; DNA/RNA

&lt;213&gt; Artificial Sequence

```

<220>
<223> Description of Artificial Sequence:primer

<220>
<221> misc_feature
<222> (1)..(969)
<223> cellular retinoic acid-binding protein 2
      (CRABP2) gene.

<400> 158
agctttgggg ttgtccctgg acttgtcttg gttccagaac ctgacgacco ggcgcaggcg 60
acgtctcttt tgactaaaag acagtgtcca gtgctccagc ctaggagtct acggggaccg 120
ctcccgcgcg cgccaccatg cccaacttct ctggcaactg gaaaatcacc cgatcggaag 180
acttcgagga attgctcaaa gtgctggggg tgaatgtgat gctgaggaag attgctgtgg 240
ctgcagcgtc caagccagca gtggagatca aacaggaggg agacacttcc tacatcaaaa 300
cctccaccac cgtgcgcacc acagagatta acttcaaggt tggggaggag tttgaggagc 360
agactgtgga tggggaggcc tgaagagcc tggtgaaatg ggagag tgag aataaaatgg 420
tctgtgagca gaagctctcg aaggagaggg gccccaagac ctgctggacc agagaactga 480
ccaacgatgg ggaactgatc ctgacatga cggcggatga cgttgtgtgc accagggctc 540
acgtccgaga gtgagtggcc acaggtagaa cgcgcggcga agccaccac tggccatgct 600
caccgcctcg ctctactgcc cctc cgtcc caccctctc ttctaggata ggcctccctc 660
taccacagtc acttctgggg gtcactggga tgcctcttgc agggctcttgc tttctttgac 720
ctcttctctc ctcccctaca ccaacaaga ggaatggctg caagagccca gatcacccat 780
tcggggttca ctcccgcct cccaagtca cgactcctag ccccaacca gcccagagca 840
gggtctctct aaaggggact tgagggcctg agcaggaaag actggccctc tagcttctac 900
cctttgtccc ttagcctat acagtttaga atatttatt gttaatttta ttaaaatgct 960
ttaaaaaa                                     969

<210> 159
<211> 344
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:primer

<220>
<221> misc_feature
<222> (1)..(344)
<223> 3' terminal sequence. activin a receptor
      type ii-like 1 (ACVRL1) gene.

<400> 159
cgcggntgga ggggaggtgg ccccgntccc gccgangaan tgcctccc cc accccgagag 60
cncncagagg gaccattgac ctgtggctcc ccagggaaa gcttctgat gctgctgatg 120
gccttggtga ccaggggaga ccctgtgaag cgtctcggg gcccgctggt gacctgcaag 180
tgtgagagcc cacattgcaa ggggcctacc tggcgggggg cctgggtgca cagttagtct 240
tggggtgcgg aggagggggg gcacccc cag ggaacattcg gggntgcggg aantttgcac 300
agggagntct tgcagggggg gcgcccacc gatttcgttc aacc                                     344

<210> 160
<211> 416
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:primer

```

<220>  
 <221> misc\_feature  
 <222> (1)..(416)  
 <223> 5' terminal sequence. activin a receptor  
 type ii-like 1 (ACVRL1) gene.

<400> 160  
 gtcagtctcc cggaaccagg actgttcac cctcaggag aagatcttga cggccacact 60  
 ctacacgtgc cacaagcccc gccacaattc gccatagcgc cttttccacc aacgtccacc 120  
 aaggcaacct gccgtngcca ctgtcctctg caccaggga ggggagccct gagccactcc 180  
 ctgtgggttg cagtcactgt ccagggaagt cccccaacat gctgttcgcc ctgtctcaga 240  
 tgcctttcag ggatgaggat gggattttcc cagcttcgct gttgcagggc cagcttgctt 300  
 ttctctgcc tncgttcggg acatggccac agggccagg ggacaaccag g ggccacca 360  
 gggggnccag gcaanggcca agnaccggg ggccagggt ttnaaggggc cagttt 416

<210> 161  
 <211> 1970  
 <212> DNA/RNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:primer

<220>  
 <221> misc\_feature  
 <222> (1)..(1970)  
 <223> activin a receptor type ii-like 1 (ACVRL1)  
 gene.

<400> 161  
 aggaacgggt ttattaggag ggagtgggtg agctgggcca ggcaggaaga cgctggaata 60  
 agaaacattt ttgtccagc ccccatccca gtcccgggag gctgccgcgc cagctgcgcc 120  
 gagcgagccc cctcccgggt ccagcccgggt ccggggccgc gcgggacc c agcccggcgt 180  
 ccagcgctgg cggtgcaact gcggccgcgc ggtggagggg aggtggcccc ggtccgcga 240  
 aggctagcgc ccgcaccaacc gcagagcggg ccagagggga ccatgacctt gggtccccc 300  
 aggaaggccc ttctgatgct gctgatggcc ttggtgaccc agggagaccc tgtgaagcgc 360  
 tctcggggcc cgctggtgac ctgcacg tgt gagagccac attgcaagg gctacctgc 420  
 cgggggggct ggtgcacagt agtgcgtgtg cgggaggagg ggaggacccc ccaggaacat 480  
 cgggggctgc ggaacttgca caggagcctc tgcagggggc gccccaacca gttcgtcaac 540  
 cactaactgt gcgacagcca cctctgcaac cacaactgtt ccttggtgct ggaggccacc 600  
 caacctctct cggagcagcc gggaacagat ggccagcttg ccttgatcct gggtcccggt 660  
 ctggccttgc tggccctggt ggccttgggt gtccctgggc tgtggcatgt ccagcggagg 720  
 caggagaagc agcgtggcct gcacagcgag ctgggagagt ccagtctcat cctgaaagca 780  
 tctgagcagg gcgacacagt gttgggggac ctccctggaca gtgactg cac cacagggagt 840  
 ggtcaggggc tccccttctt ggtgcagagg acagtggcac ggcaggttgc cttggtggag 900  
 tttgtgggaa aaggccgcta tggcgaagtg tggcggggct tgtggcacgg tgagagtgtg 960  
 gccgtcaaga tcttctctc gagggatgaa cagctctggt tccgggagac tgagatctat 1020  
 aacacagtat tgcctagaca cgac aacatc ctaggcttca tgcctcaga catgaacctc 1080  
 cgcaactcga gcacgcagct gtggctcact acgcactacc acgagcacgg ctccctctac 1140  
 gactttctgc agagacagct gctggagccc catctggctc tgagtctagc tgtgtccggc 1200  
 gcatgcggcc tggcgcaact gcacgtggag atcttcggta cacagggcaa accagccatt 126 0  
 gccaccgcgc acttcaagg cgcgaatgtg ctggtcaaga gcaacctgca gtgtgtcact 1320  
 gcgcacctgc gctgtgctg gatgcactca cagggcagcg attacctgga catcgcaac 1380  
 aaccgcagag tgggcacaa gcggtacatg gcaccaggg tgctggacga gcagatccgc 1440  
 acggactgct ttgagtctta caagtggact gacatctg gg cctttggcct ggtgctgtgg 1500  
 gagattgcc ccgggacat ctgtaatggc atcgtggagg actatagacc acctctctat 1560  
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 cagaccacca caatccctaa ccgctgtggt gcagaccgg tctctcagg cctagctcag 1680  
 atgatcggc agtgctggta cccaaacccc tctgcccgc tcaccgcgct gcggatcaag 1740  
 aagacactac aaaaaattag caacagtcca gagaagccta aagtgtatca atagccagg 1800

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agcacctgat tcccttctgc ctgcagggg ctgggggggt ggggggcagt ggatggtgcc 1860  
 ctatctgggt agaggtagtg tgagtgtggt gtgtgctggg gatgggcagc t gcgctgccc 1920  
 tgcctgcccc ccagccacc cagccaaaaa tacagctggg ctgaacctgc 1970

&lt;210&gt; 162

&lt;211&gt; 407

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(407)

<223> 5' terminal sequence. lim domain protein  
 (RIL) gene.

&lt;400&gt; 162

gtgacctgc ggggaccttc gccctggggc ttccgctggt tngggccgng gacttcagcg 60  
 cgccctcac catctcacgg gtccatgctg gcagcaaggc tcatntggct gccctgtgcc 120  
 caggagacct gatccagggc atcaatggtg agagcacaga gctcatgac a cacctggang 180  
 cacgaaccg catcaagggc tgccacgac acctoacact gtctgtgagc aggcctgagc 240  
 gcaggagctg gcccaagtgc cctgatgaca gcaaggctca ggcacacagg atccacatcg 300  
 ntcttgagat ccaggacggc agcccaacaa ccagcagggc gccctcagcg accgggacgt 360  
 gggccagaag atnngcagan caagnct ggg gtttttncat atggaca 407

&lt;210&gt; 163

&lt;211&gt; 1130

&lt;212&gt; DNA/RNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(1130)

&lt;223&gt; lim domain protein (RIL) gene.

&lt;400&gt; 163

tgagagtcgg gctcaggtgc cggctgcggc tccagccggc gatgccccat tccgtgacc 60  
 tgcgggggccc ttgcgccctg ggcttccgcc tgggtggcgg ggacttcagc gcgccccctca 120  
 ccattctcac ggtccatgct ggcagcaagg cctcattggc tgccctgtgc ccaggagacc 180  
 tgatccaggg catcaatggt gagagcacag agctcatgac acacctg gag gccacagaacc 240  
 gcatcaaggg ctgcccagat caoctcacac tgtctgtgag caggcctgag ggcaggagct 300  
 ggcccagtg cccctgatgac agcaaggctc aggcacacag gatccacatc gatcctgaga 360  
 tccaggacgg cagcccaaca accagcaggg ggccctcagg caccgggagc gggccagaag 420  
 atggcagacc aagcctggga tctcc atatg gaaaaccccc ttgctttcca gtcccctaca 480  
 atggcagcag cgaggccacc ctgcccagccc agatgagcac cctgcatgtg totccacccc 540  
 ccagcgctga ccagcagag gctcccggc gagccgggag cagagtcgac ctgggctccg 600  
 aggtgtacag gatgctgagg gagccggcgg agcccgctggc cgccggagccc aagcagtcag 660  
 gctccttccc ctacttcgag ggcattgtag aggcggcgga gggcggggat tggcccgggc 720  
 ctggcgcccc ccgggaacctc aagcccaagg ccagcaagct gggcgctccg ctgagcgccc 780  
 tgcaggggct gcccgagtg ccgcgctgct gccacggaat cgtgggcacc atcgtaagg 840  
 aacgggacaa gctctaccat ccgagtgct tcatgtgcag tgact gcggc ctgaacctca 900  
 ageagcgtgg ttacttctt ctggacgagc ggctctactg tgagagccac gccaaaggcg 960  
 gcgtagaacc gcccgagggc tacgacgtgg tggcggtgta ccccaatgcc aaggtggaac 1020  
 tcgtctgagc tgggacccct ctcccacccc tgcttcttaa ggtccctgct cggcgcggtg 1080



aaatatgttt caccctgtcc ctctaataaa gtcctctgc tcaaaaaaaa

1130

<210> 164  
<211> 310  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:primer

<220>  
<221> misc\_feature  
<222> (1)..(310)  
<223> 5' terminal sequence. shc (src homology 2 domain-containing) transforming protein 1 (SHC1) gene.

<400> 164  
anattcgaa cgaggatcc ctccatgtc aacgtccaga acctagacaa ggcccggcaa 60  
gcagtggtg gtgctggcc ccccaatcct gctatcaatg gcagtgcacc ccgggacctg 120  
tttgacatga agcccttcga agatgctctt cgcgtgc ctc caccctccca gtcggtgtcc 180  
atgntcgagc agctccgagg ggagccctgg gttccatggg aagctgagcc.ggcgggaggc 240  
tgaggcactg ctggcagctt caatggggat ttccnggtac gggagagcac gaccacacng 300  
ggcaatatg 310

<210> 165  
<211> 3664  
<212> DNA/RNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:primer

<220>  
<221> misc\_feature  
<222> (1)..(3664)  
<223> shc (src homology 2 domain-containing) transforming protein 1 (SHC1) gene.

<400> 165  
atggggcctg aaactgtctg ggtctgagct ggggagcgga agccacttgt cctctcctct 60  
ccccaggact tctgtgactc ctggggccaca gaggtccaac cagggttaagg gccttgggat 120  
accctctgcc tggccctctt gcccaaaactg gcaggggggc caggctgggc agcagccctc 180  
ctttcacctc aactatggat ctcttgcccc ccaagcccaa gtacaatcca ct ccggaatg 240  
agtctctgtc atcgctggag gaaggggctt ctgggtccac cccccggag gagctgcctt 300  
cccatcagc ttcatccctg gggcccatcc tgctctctct gcctggggac gatagtccca 360  
ctacctgtg ctctcttctc ccccgatga gcaacctgag gctggccaac ccggtgggg 420  
ggcgcccagg gtctaagggg gagccaggaa gggcagctga tgatggggag gggatcgatg 480  
gggcagcat gccagagtc gcccccctac cctcctcca ggacatgaac aagctgagtg 540  
gaggcgccgg gcgcaggact cgggtggaag ggggccagct tgggggagcag gagtggacc 600  
gccacgggag ctttgtcaat aagccacgc ggggctggct gcattcccaac gacaaagtca 660  
tgggacccgg ggtttctcat ttggttcggt acatgggttg tgtggaggtc ctccagtcaa 720  
tgctgcctt ggaactcaac acccgactc aggtcaccag ggaggccatc agtctggtg 780  
gtgaggctgt gccgggtgct aagggggcga caaggaggag aaagccctgt agcgcccg 840  
tcagctctat cctggggagg agtaacctga aatttgctg aatgccaatc actctcacgg 900  
ttctcacag cagctcaca ctcattggccg cagactgcaa acagatcacc gccaaaccac 960  
acatgcaatc tatctcattt gcatccggcg gggatccgga cacagccgag tatgtcgct 1020  
atgttgcaa agaccctgtg aatcagagag cctgccacat tctggagtg cccgaagggc 1080  
ttgccaggga tgtcatcagc accattg gcc aggccttoga gttgcgcttc aaacaatacc 1140

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tcagggaaccc acccaaaactg gtcacccctc atgacaggat ggctggcttt gatggctcag 1200
catgggtagta ggaggaggaa gagccacctg accatcagta ctataatgac ttcccgggga 1260
aggaaccccc cttggggggg gtggtagaca tgaggcttcg ggaaggagcc gctccagggg 1320
ctgctcgacc cactgcaccc aatgccagaa cccccagcca cttgggagct acattgcctg 1380
taggacagcc tgttggggga gatccagaag tccgcaaaaca gatgccacct ccaccacct 1440
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cccgcaagc agtggtggt gctgggcccc ccaatcctgc tatcaatggc ttggcacccc 1560
gggacctgtt tgacatgaag ccttcgaag atgtctctcg ggtgcctcca cctccccagt 1620
cgggtgccat ggctgagcag ctccgagggg agccctgggt ccatgggaag ctgagccggc 1680
gggagctgta ggcactgctg cagctcaatg gggactctct ggtacgggag agcacgacca 1740
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tgagacctga gggtgtggt cggactaagg atcacogctt tgaagtgct agtcacctta 1860
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agcaacctgt ggagcggaat ctgtgatctg ccttagcgct ctctccaga agat gccctc 1980
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agggttttag tcaaaagcct gggtgagaa cctgcctctc cccaaacatt aatcaccaaa 2160
gtattaatgt acagagtggc cctcacct g ggcctttcct gtgccaacct gatgccctt 2220
ccccagaag gtgagtgctt gtcattgaaa atgtcctgtg gtgacagggc cagtggaa 2280
gtcacccttc tgggcaaggg ggaacaaatc acacctctgg ccttcagggt atccagacc 2340
cctctcaaca cccgcccccc ccatgtttaa accttgtgcc tttgacctat tcttaggtct 2400
aatgatattt tatgcaaaaca gttcttggac cctgaattc ttcaatgaca gggatgccaa 2460
cacctctctg gcttctggga cctgtgttct tgcctgagac cctctccggt ttgggttggg 2520
ataacagagg caggagtggc agctgtcccc tctcctggg gatatgcaac ccttagagat 2580
tgccccagag cccactccc ggccaggcgg gagatggacc cc tcccttgc tcagtgcctc 2640
ctggccgggg cccctcaccc caaggggtct gtatatcat ttcataaggc ctgccctccc 2700
atgttgcatg cctatgtact ctgcgccaaa gtgcagccct tctcctgtaa gccctctgcc 2760
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actctccag gtggatt ttg tggaggtgag aaaaggggca ttgagactat aaagcagtag 2880
acaatcccca cataccatct gttaggttgg aactgcattc tttaaaagt ttatattgat 2940
ataatttagg gctgctagac ttactttcct ccatgtetta tcttgagca 3000
caaaatgata atcaatttat acatttatac atcacctttt tgacttttcc aagccc tttt 3060
acagctcttg gcattttctc cgcttaggcc tgtgaggtaa ctgggatgc accctttata 3120
ccagagacct gaggcagatg aaatttattt ccatctagga ctagaaaaac tgggtctctc 3180
taccgcgaga ctgagaggca gaagtacgcc cgaatgcctg tcagtttcat ggaggggaaa 3240
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gccacaccac agcaagccgg cccccctct tttggccttg tggataaggg agagtggacc 3360
gttttcatcc tggcctcctt ttgctgtttg gatgtttcca cgggtctcac ttataccaaa 3420
gggaaaaact ttcattaaag tccgtatttc ttctaaaaaa aaaaaaaaaa atgcacattt 3480
atacatcacc tttttgactt ttccaagccc ttttacagct cttggcattt tctctgccta 3540
ggcctgtgag gtaactggga tcgcaccttt tataccagag acctgaggca gatgaaattt 3600
atttccatct aggactagaa aaacttgggt ctcttaccgc gagactgaga ggcagaagtc 3660
agcc

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&lt;210&gt; 166

&lt;211&gt; 449

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(449)

&lt;223&gt; 3' terminal sequence.

glyceraldehyde-3-phosphate dehydrogenase ( GAPD)  
gene.

&lt;400&gt; 166

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gagcacaggg tncctttattg atggtacatg acaagggtg gctccctagg cccctcccct 60
cttcaagggg tctacatgga aactgtgagg aggggagatt cagtgtggtg ggggactgag 120
tntggcaggg actcaccagc agtgagggtc tctctcttcc tcttggtctc ttgctggggc 180
tgggtgtcca ggggtcttac tccttgaggg ccatgtgggc atgagggtcca ccacctgttt 240
gctgtagcca aattcgttgt cataccaggg aaatgagctt gacaaagtgg tcgttgaggg 300
caatgccagc ccagcgtttc gaaggtggag gantgggttt cgctnttgaa gtcagaggag 360
accacctggg tgctcagttt agcccaggga tgccccttag ggggcccctcc gacgttt ttt 420
tcaccacctt ttgatntca tcatntttt
449

```

&lt;210&gt; 167

&lt;211&gt; 467

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(467)

&lt;223&gt; 5' terminal sequence.

glyceraldehyde-3-phosphate dehydrogenase (GAPD)  
gene.

&lt;400&gt; 167

```

tgttcgacag tcagccgcat cttcttttgc gtgccagcc gagccacatc gctgagacac 60
catgggggaag gtgaagggtcg gagtcaacgg atttgggtcg attggggccc tggtcaccag 120
ggctgtctttt aactctggta aagtggata t tgttgccatc aatgacccct tcattgacct 180
caactacatg gtttacatgt tccaatatga ttccacccat gggcaaatc catgggcacc 240
gtcaaggctcg agaacgggaa gcttgtcatc aatgggaaat cccattcacc atcttcagg 300
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gggagttcca ctgggccttc ttcaaccac ccttgagaa ggggttgggg gttcattttt 420
caaggggggg gagcccaaan gggcttccat tttttggccc cctttttt
467

```

&lt;210&gt; 168

&lt;211&gt; 316

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(316)

&lt;223&gt; 3' terminal sequence. desmin (DES) gene.

&lt;400&gt; 168

```

ggcttgtgtt tnttntctct ttattgtttc tctccagagc cctcgagca ggggagggga 60
gggcgtgggg aggtgggcgc cctccaccac agcctgagac cgctctctgc ctctctcctc 120
tctctctctc tcagcatctc cac ccacttt ctctccttct naatctcctg ctccacctc 180
cagcaccctc ggggattccc tcttgtagcc cctgctttct aagtccacc ggggctgggg 240
aaaggaaaagt aagagaccac ggggacaatt tcaagcccc cagntccac aggggctagt 300
ccccctgggt acctgc
316

```

&lt;210&gt; 169

&lt;211&gt; 440

&lt;212&gt; DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc\_feature

<222> (1)..(440)

<223> 5' terminal sequence. desmin (DES) gene.

<400> 169

```

atctcccat ccagacctac tctgccctca acttccgag a aaccagccct gagcaaaagg 60
gtttctgagggt ccataccaag aagacggtga tgatcaagac catcgagaca cgggatgggg 120
aggctcgtcag tgaggccaca cagcagcagc atgaagtgtc ctaaaagacag agacctctg 180
ccaccagaga cgttctctac ccttgctctc actgtctcct gaagccagcc ttcttccatc 240
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tgggcatctc cctcgtgggt cccaacacgc ggacataggc ccatccttgc tgggttcaca 360
ggggcatggc cccgggccac ttnttgcggg aaccccagtt gttgaggctt tgggtgtttg 420
ggcagttgag ttgaggcttt                                     440

```

<210> 170

<211> 2218

<212> DNA/RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc\_feature

<222> (1)..(2218)

<223> desmin (DES) gene.

<400> 170

```

cctcgccgca tccactctcc ggccggccgc ctgccccgcg cctctctc gt ggcggccgca 60
gctctgcccg cgccgtcacc atgagccagg cctactcgtc cagccagcgc gtgtctctct 120
accgcgcgac cttcggcggc gccccgggct tcccgctcgg ctcccgcgtg agctcgccc 180
tgttcccgcg ggccgggttt ggctctaagg gctctccag ctcggtgacg tcccgctgt 240
accaggtgtc ggcacagctg ggccgggg ccg ggggctcggg gtcgctcgcg gccagccggc 300
tggggaccac ccgacgcgcc tctctctacg gcgcaggcga gctgctggac ttctcactgg 360
ccgacgcggt gaaccaggag ttcttgacca ccgcacacca cgagaagggt gagctcgagg 420
agctcaatga ccgcttgcgc aactacatcg agaaggtgcg ctctctggag cagcagaacg 480
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acgaggagga gctgcccggg ctgcggcgcc aggtggaggt gctcactaac cagcgccgcg 600
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```

112/292

```

cttccatccc agga caccac acccagcctc agtctctccc tcacagcctc tgacccctcc 1620
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tgctggagaa gagagaggag gagagaggca gagagcggtc tgaggctggt gggaggggcg 2160
cccactccc cagccctcc cccccctgc tgcaggggct ctggagagaa acaataaa 2218

```

&lt;210&gt; 171

&lt;211&gt; 367

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(367)

&lt;223&gt; 5' terminal sequence. casein kinase 2, beta polypeptide (CSNK2B) gene.

&lt;400&gt; 171

```

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caaggagact ttggttactg tcctcgtgtg tactgtgaga accagccaat gcttccatt 120
ggcctttcag acatcccagg tgaagccatg gtgaagctct actgcccacaa gtgcattgat 180
gtgtacacac ccaagtcac aagacacat cacaaggatg ggcgcctac t ttgcgactg 240
gtttccctca catgctcttc atgggtgcat cccgagtacc ggcccagggt gacttgcca 300
accagtttgt gcccagggtt ttacgggttt caaggttcca tncggtgggg cttaccagg 360
tcgaggt 367

```

&lt;210&gt; 172

&lt;211&gt; 1128

&lt;212&gt; DNA/RNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(1128)

&lt;223&gt; casein kinase 2, beta polypeptide (CSNK2B) gene.

&lt;400&gt; 172

```

gcttctcgtt gtgccccgcc cgcaagcgcc ctctctccgg ccttc gtgac agccagggtc 60
tgcgcgggtc atcctgggat tggtagttcg ctttctctca tttagccagt ttcttctct 120
accggggact ccgtgtcccc gcatccaccg cggcacctga cccttgggcc ttgcgtgttg 180
ccctcttccc caccctcccc aatttccact cccccaccc cacttcgcct gcccggtgtg 240
ggtcgcgggc ctgcgctgta gcgg tcgccc cggttccctg gaagtagcaa cttccctacc 300
ccaccacagt cctggtcccc gtccagccgc tgacgtgaag atgagcagct cagaggaggt 360
gtcctggatt tcctggtctc gtgggctccg tggcaatgaa ttcttctgtg aagtggatga 420
agactacatc caggacaaat ttaactctac tggactcaat gagcaggtcc ctactatcg 480
acaagctcta gacatgatct tggacctgga gcctgatgaa gaactggaag acaaccccaa 540

```

```

ccagagtgac ctgattgagc aggcagccga gatgctttat ggattgatcc acgcccgcta 600
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gtcatcaaga caccatcaca cggatggcgc ctacttcggc actggtttcc ctacatgct 840
cttcattggt catcccgagt accggcccaa gagacctgcc aaccagtttg tgcccaggct 900
ctacggtttc aagatccaac cg atggccta ccagctgcag ctccaagccg ccagcaactt 960
caagagccca gtcaagacga ttgcgtgatt cctccccc cctgtctctg agtctttgtc 1020
ttttcccttc ttttttgcca cccttcagc aacctgtat ggtttttagt ttaaatataa 1080
ggagtcgtta tcgtggtggg aatatgaat aaagtagaag aaaaggcc 11 28

```

&lt;210&gt; 173

&lt;211&gt; 475

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(475)

<223> 3' terminal sequence. golgi apparatus  
protein 1 (GLG1) gene.

&lt;400&gt; 173

```

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cggaagttct gttggnatga gagagacttg tctacaggca gnaaaaccca agtttgccaa 120
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ntacaaactg gggcactggg atagggtagt tcctttgggn gggtcgaagg gggctctacc 360
cgctccttg agctctngtg tncactnccg ttgggggata cntccacaca cattcagggc 420
cantcaggna caattttacc aggtgntccc a ctgtttcac aggggggatt aagtt 475

```

&lt;210&gt; 174

&lt;211&gt; 483

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(483)

<223> 5' terminal sequence. golgi apparatus  
protein 1 (GLG1) gene.

&lt;400&gt; 174

```

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ccagatccga atcattatcc aggagtccgc cctggactac cgcctggatc ctacagctcca 120
gtgcactgc tcagacagga tctccagtct atgtgctgaa gaagcagcag cccaagagca 180
gcagggtcag gtggaggagt gcc tcaaggt caacctgtcc aagatcaaaa cagaattgtg 240
taaatngaa gtgctaataa tgctgaagga aagcaaaagca gacatctttg ttgaccgggt 300
acttcatact tgctttgtgcc ctgggacatt aaacaccact gcgcagcatt caccctgggc 360
cgcgggcgtt caaattgttc ctgtnttcat gggaaggcac tgggagggtt aaggcggtt 420
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ttt 483

```

<210> 175  
 <211> 3909  
 <212> DNA/RNA  
 <213> Artificial Sequence  
 <220>  
 <223> Description of Artificial Sequence:primer  
 <220>  
 <221> misc\_feature  
 <222> (1)..(3909)  
 <223> golgi apparatus protein 1 (GLG1) gene.

<400> 175  
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aaaccacca
3909

```

&lt;210&gt; 176

&lt;211&gt; 390

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(390)

<223> 5' terminal sequence. endothelin receptor  
type b (EDNRB) gene.

&lt;400&gt; 176

```

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390

```

&lt;210&gt; 177

&lt;211&gt; 4286

&lt;212&gt; DNA/RNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(4286)

&lt;223&gt; endothelin receptor type b (EDNRB) gene.

&lt;400&gt; 177



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ttccctagtat taaggacttt aatatagcaa cagacaaaat tattgttaac atgg atgtta 3840
cagctcaaaa gatttataaa agattttaac ctattttctc ccttattatc cactgctaag 3900
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aaaaatgccac attttctggtc tctggg                                4286

```

&lt;210&gt; 178

&lt;211&gt; 462

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(462)

<223> 3' terminal sequence. granzyme b (granzyme  
2, cytotoxic t-lymphocyte-associated serine  
esterase 1) (GZMB) gene.

&lt;400&gt; 178

```

acancagaga tccattttatt acagtctctgc aaccocccact gccaccccct tggggaattct 60
tgccctctgtc ccagagatgg tcaggcccag aggaaggtta gtctcatgcc tgcgtgttaga 120
ggcgnttcaat tgttctcttt atccagggca ggaagtntga gaccttgatg tagactcctg 180
gggggtgtccc tttttgtttt ccataggaga gaataccttg ggctangtcc ttacananga 240
ggggcccccc ggagttcccc cttgaaaccc gtctgtgtct tctttggatc cccacacaaa 300
atntcagtg gtctctgtgt aattgccatg ggaaggagac gggtcac ant gggcagttcc 360
ttctgcactn ttcaggaaca atttctgaa gtgtgggttg ctaaagtgtc cattgagaaa 420
taaccccagg ccaggccaaa ttgaaaagtt gcttgggntt tt                                462

```

&lt;210&gt; 179

&lt;211&gt; 960

&lt;212&gt; DNA/RNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(960)

<223> granzyme b (granzyme 2, cytotoxic  
t-lymphocyte-associated serine esterase 1) (GZMB)  
gene.

&lt;400&gt; 179

```

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ttctctctgc tgcccagggc agatgcaggg gagatcatcg ggggacatga ggccaagccc 120
cactcccgcc cctacatggc ttatcttatg atctgggac agaagtctct gaagaggtgc 180
ggtgtgcttc tgatacaaga cgacttctgt ctgacagctg ctcaactgtt ggggaagctcc 240
ataaatgtca ccttgggggc ccacaatata aaagaacagg agcc gaccba cgagtttatc 300
cctgtgaaaa gaccatccc ccactcagcc tataatccta agaacttctc caacgacatc 360

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```

atgctactgc agctggagag aaaggccaag cggaccagag ctgtgcagcc cctcaggcta 420
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acggcccccc tgggaaaaca ct cacaacaca ctacaagagg tgaagatgac agtcaggaa 540
gatcgaaagt gogaattctga cttacgccat tattacgaca gtaccattga gttgtgctgt 600
ggggaccag agattaaaaa gacttccttt aagggggact ctggaggccc tcttgtgtgt 660
aacaagggtgg ccaggggcat tgtctcctat ggacgaaaca atggcatgcc tccacagacc 720
tgacacaaag tctcaagctt tgtacactgg ataaagaaaa ccatgaaacg ctactaacta 780
caggaagcaa actaagcccc cgctgtaatg aaacaccttc tctggagcca agtcagatt 840
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agtccagatt tacactggga gaggtgcag caactgaata aa tacctctt agctgagtg 960

```

&lt;210&gt; 180

&lt;211&gt; 471

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(471)

<223> 3' terminal sequence. fibroblast growth  
factor receptor 1 (fms-related tyrosine kinase 2,  
pfeiffer syndrome) (FGFR1) gene.

&lt;400&gt; 180

```

tnaagcagca gcaattttta ttgagggacc taaactgaaa ataggttttag aacataattt 60
aaaaaataaa aacagcaaaa gtagcaaaaa atatatgacc tttttaaaaa cattttcctt 120
ttttttcttt ttgtttttta atatatagca actga tgcct cccagccacc agngcatct 180
taccgatgg gtaaatctct ggtaacgacc cttttaaaaa gacatgtaaa tataactaca 240
gntttataca ctttgtgttt tcttcatagc tatntacaga gccccagtt tgggctgggg 300
cagggggccan caacactgcc cccaacctgg gccttcgcct caccatctc tgggtaccgg 360
gcntttgggt cag gcaaaagc aaactagtnt cgggtttatt angccactgg naccaccttt 420
ttgggggcag aggtcacctt cattcgaggg cacgangcac tgacctctt t 471

```

&lt;210&gt; 181

&lt;211&gt; 463

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(463)

<223> 5' terminal sequence. fibroblast growth  
factor receptor 1 (fms-related tyrosine kinase 2,  
pfeiffer syndrome) (FGFR1) gene.

&lt;400&gt; 181

```

gctttgtctg cagccacttc atccccctcc agatgttga ccaacacccc tccctgccac 60
caggactgcc tgangggagg agtgggagcc aatgaacagg catgcaagtg agagcttcc 120
gagctttctc ctgtcggttt ggtctgtttt gccttcaccc ataagccctc cgcactntgg 180
tggcagggtgc cttgtcctca gggctacagc agtagggagg tcagtgtctc gtgctcgat 240
tgaaggtgac ctctgcccca gataggtggt gccagtggct ttattaat tc cgatactagt 300
ttgcttttgc gaccaaatgc ctgggtacca gaggatggg aggcgaaggc aggttggggg 360
cagtgtttgt gcnnggggccc agcccaaaac tgggggcttc tgtatatagc tattgaagaa 420

```

aacacaaatg tattaatctg agtatatatt ttacatgtnt ttt

463

&lt;210&gt; 182

&lt;211&gt; 4066

&lt;212&gt; DNA/RNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(4066)

&lt;223&gt; fibroblast growth factor receptor 1

(fms-related tyrosine kinase 2, pfeiffer syndrome)  
(FGFR1) gene.

&lt;400&gt; 182

```

cctcttgccg ccacaggcgc gccgtcctcg gccgcgggcg gcagctagcg ggagccggga 60
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ccggggcacc agctccggct ccattgttcc cgccccgggt ggaggcgccg agcacccgagc 480
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cgggactctc ccgagcgagg accctccacgc cgagcgaggg tcagtttgaa aag gaggatc 660
gagctcactc tggagtatcc atggagatgt ggagccttgt caccacacct taactgcaga 720
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&lt;210&gt; 183

&lt;211&gt; 415

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(415)

&lt;223&gt; 5' terminal sequence. protein phosphatase 2

(formerly 2a), catalytic subunit, alpha isoform  
(PPP2CA) gene.

&lt;400&gt; 183

```

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```

&lt;210&gt; 184

&lt;211&gt; 2181

&lt;212&gt; DNA/RNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

<220>  
 <221> misc\_feature  
 <222> (1)..(2181)  
 <223> protein phosphatase 2 (formerly 2a),  
 catalytic subunit, alpha isoform (PPP2CA) gene.

<400> 184  
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 aacttcagga tttatttga ttacacatat tacaatttgt cacattgttg gtgtgacct 2040  
 tgtgggttct tcctgcatat taacttggtt gtaagaaagg aaatctgtgc tgcctcagta 2100  
 agacttaatt tcaaacocat aatacttgag atttaagctc ttgggttggt ttttaataaa 2160  
 acagcatgtt tcaggtaga g 2181

<210> 185  
 <211> 375  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:primer

<220>  
 <221> misc\_feature  
 <222> (1)..(375)  
 <223> 5' terminal sequence. homo sapiens, clone  
 image:4054156, mrna, partial cds (EST R55460)  
 gene.

122/292

<400> 185  
cgaagaggat gaggaagagc tnotgctgct gcancaagag ctccaggccg ggctgcgcac 60  
caaggccctg attgtggatg agtctctgcc gggtnacca tottccaaca tagggatata 120  
ctctccctct tcttataact gaagatcctg gagcccgaa gattcag ggc agacagacc 180  
tgataatgag cctggcaggg aagggcaacc aacatcttgt aacttgcttt cccaccctg 240  
ttcttggggg cagagcaatt gcccaatttc taccctaate caaagtcctt ggggtgtngt 300  
ggggttaaac gtgctggtgc atcctaggtc atccaagagt gaggcgcaa gtctctgagg 360  
aagggggcac agaac 375

<210> 186  
<211> 542  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:primer

<220>  
<221> misc\_feature  
<222> (1)..(542)  
<223> 3' terminal sequence. immunoglobulin kappa  
constant (IGKC) gene.

<400> 186  
gcaaagattc acaatatatta ttnattctcc tccaacatta gcataattaa agccaaggag 60  
gaggaggggg gatgaggtgaa agatgagctg gaggaccgca ataggggtag gtccctctgtg 120  
gaaaaagggt cagaggccaa aggatgggag ggggtcaggc tgganctgag gagcaggttg 180  
gggcactctc cctctcaaca ctctccctg ttgaagctct ttgtgacggg cgagctcagg 240  
ccctgatggg tgacttcgca ggcgtagact ttgtgtttct cgtagtctgc tttgctcagc 300  
gtcagggtgc tgcctgaggt ntagggtgct gtccctgctg tccctgctctg tgacactctc 360  
ctgggggtag taccnatttt gggagggcgt tatccacett coactgtact ttggc ctctc 420  
tggggtaga agttttttca gcaggcacac aacagaggca nttccagatt tncaactgct 480  
catcagatgg ccgggaagnt gaaggncagt nggtgcagcc acatttcttt tgatcnccea 540  
ct 542

<210> 187  
<211> 296  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:primer

<220>  
<221> misc\_feature  
<222> (1)..(296)  
<223> 5' terminal sequence. melanocortin 1  
receptor (alpha melanocyte stimulating hormone  
receptor) (MCL1) gene.

<400> 187  
atcacctgca gctccatgct gtccagcctc tgcttctg ggcacatgc gtggaccgct 60  
acatctccat cttctacgca ctgntacca cagcatcgt accctgccg gggcggaag 120  
nccgttgccg ccactcgggt ggccagtgtc gtcttcagca cgctcttcac gcctactac 180  
gaccacgtgg ccgtctcgt gtgcctcgtg gtctcttccc tggctatgct ggtgtcatg 240  
gccgtgctgt gcttccatc gctggccggg gctgcacag acgcccagg cattcg 296

<210> 188

123/292

<211> 1270  
<212> DNA/RNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:primer

<220>  
<221> misc\_feature  
<222> (1)..(1270)  
<223> melanocortin 1 receptor (alpha melanocyte  
stimulating hormone receptor) (MC1R) gene.

<400> 188  
ggagaggggtg tgagggcaga tctgggggtg cccagatgga aggaggcagg catggggggac 60  
acccaaaggcc ccttggcagc accatgaact aagcaggaca cctggagggg aagaactgtg 120  
gggacctgga ggctccaac gactccttc tgcttcttg acaggactat ggcgtgagcg 180  
ggatccaga gaagactctt gggctccctc aactccacc ccacagccat cccccagctg 240  
ggcgtggctg ccaaccagac aggagcccg tgccctggag tgctccatct tgacggggctc 300  
ttctcaagcc tgggctggtg gagcttgggtg gagaacgcgc tgggtgtt ggc caccatgcgc 360  
aagaaccgga acctgcactc acccatgtac tgcttcactc gctgcctggc cttgtcggac 420  
ctgctgtgtga gcgggagcaa cgtgctggag acggccgtca tctctctgct ggaggccggt 480  
gcactggtgg ccggggctgc ggtgctgcag cagctggaca atgtcattga cgtgatcacc 540  
tgacagctca tgctgtccag cctct gcttc ctgggcgcca tcgccgtgga ccgtacatc 600  
tccattctct acgcactgcg ctaccacagc atcgtgaccc tggccggggc gcggcaagcc 660  
gttcgcgcca tctgggtggc cagtgctcgc ttcagcaagc tcttcatcgc ctactacgac 720  
cacgtggcgc tctctgtgtg cctcgttggtc ttcttcttgg ctatgctggtt gctcatggcc 780  
gtgctgtacg tcacatgctt ggcgcgggcc tgccagcagc cccagggcatt gcgccggctc 840  
cacaagagggc aggcctcggt ccaccagggc tttggcctta aaggcgctgt caccctcaac 900  
atcctgctgg gatttttctt cctctgctgg ggcccttctt tctgtcatct cacactcatc 960  
gtcctctgcc ccgagcacc ccaagtcggc tgcatcttca agaac ttcaa cctctttctc 1020  
gcctcatca tctgcaatgc catcatcgac cccctcatct acgccttcca cagccaggag 1080  
ctccgcagga cgctcaagga ggtgctgaca tgctcctggt gagcgcggtg caccgctttt 1140  
aagtgtgctg ggcagagga ggtggtgata ttgtgtggtc tggttctctg gtgaccctgg 1200  
gcagttcctt acctccctgg tccccgtttg tcaaagagga tggactaaat gatctctgaa 1260  
agtgttgaag 1270

<210> 189  
<211> 336  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:primer

<220>  
<221> misc\_feature  
<222> (1)..(336)  
<223> 3' terminal sequence. neuregulin 1 (NRG1)  
gene.

<400> 189  
ccaanaccaa atccgagccc ttggacaaaa ctgcctcgcg ccgagagccg tccgcgtaga 60  
gcctccgtct ccggcgagat gtccgagcgc aaagaaggca gaggcaaaagg gaaggggcaag 120  
aagaaggagc gaggctcgnc a agaagccgg ntccgcgggc gngncagcag gagccagcc 180  
ttgcctcccc aattnaaaga gatgaaaagc caggaatcgg ctgcaggttc caaactagtc 240  
cttcggtgtg aaaccagttc tgaatactcc tctctcagat tcaagtgggt caagaatggg 300  
gaatgaattg aatcgaaaaa nncannccac aaaatt 336



124/292

<210> 190  
 <211> 366  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:primer

<220>  
 <221> misc\_feature  
 <222> (1)..(366)  
 <223> 5' terminal sequence. neuregulin 1 (NRG1)  
 gene.

<400> 190  
 tctcaacaat atgtcactg gaga tgacgt ttttagatac gtattgattc accagctgga 60  
 cattctcggg gggtnngtta ggaatggtgag gccatttggc aatgttcac atattgttcc 120  
 gttcagagccg aagctctgcc agagacggtc atgcagcttt ttccgctgtt tcttgggttt 180  
 gcagttagcc accacacaca tgatgccgac cacaaggagg gcgatgcaga tgccggttat 240  
 ggtagcact ctcttctggt acagctcctn gccttcata aattcaatnc caagatgctt 300  
 gtagaagctg gccattnac tagttttttg gcagcgattc accagtaaaa ctctatttng 360  
 ggccac 366

<210> 191  
 <211> 2490  
 <212> DNA/RNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:primer

<220>  
 <221> misc\_feature  
 <222> (1)..(2490)  
 <223> neuregulin 1 (NRG1) gene.

<400> 191  
 gtgctgcgg ggcaattgaa aagagccgg cgaggagttc ccgaaactt gttggaactc 60  
 cgggctcggc cggaggccag gagctgag cg cgggcggtc cgggacgat ggagcgtgag 120  
 caggacggtg ataactctc ccgatccgg ttgcgaggc gccgggcaga ggccaggagc 180  
 cgagccgcc cgggcgggac ccacgcaga ctcccccgg cgacaggagc agccccgaga 240  
 gccaggcgca gcgcccgtc caggtggccg gaccgcccgc cgctccggc ccgcgtctcc 300  
 tgcaggcaac gggagcagcc ccgcgcgag gcgagcgctc cagcgcgccg gctcgtctc 360  
 ccacgcagg gacaaactt tccaaaccc gatccgagc cttggaccaa actcgcctgc 420  
 ccgagagccg gtccgcgtag agcgtccgt ctccggcgag atgtccgagc gcaagaagg 480  
 cagaggcaaa gggagggca agaagaagg cgagggtcc ggcaaga gc cggagtcgcg 540  
 ggcgggcagc cagagcccag ccttgcctc ccaattgaaa gagatgaaa gccaggaa 600  
 ggctgcaggt tccaaactg tcttcggtg tgaaccagt tctgaatact cctctctcag 660  
 attcaagtgg tcaagaatg ggaatgaatt gaatcgaaa acaaacacc aaaatatcaa 720  
 gatacaaaaa aagccaggga agtcag aact tcgcattaac aaagcatcac tggctgattc 780  
 ttgagagtat atgtgcaag tatcagcaa attaggaat gacagtgcct ctgccaatat 840  
 caccatcgtg gaatcaaac agatcatcac tggatgcca gcctcaactg aaggagcata 900  
 tgtgtcttca gagtctccca ttagaatac agtatccaca gaaggagcaa atactcttc 960  
 atctacatct acatccacca ctgggacaag ccattctgta aatgtgcgg agaaggagaa 1020  
 aactttctgt gtgaatggag gggagtgctt catggtgaaa gacctttcaa accctcgag 1080  
 atacttgtgc aagtcccaca atgagtttac tggatgagc tgccaaaact acgtaattgc 1140  
 gcgtctctac aaggcgagg agctgtacca gaagagagt ctg accataa ccgcatctg 1200  
 catcgccctc cttgtggtg gcacatcatgt tgtggtggcc tactgcaaaa ccaagaaca 1260  
 gcggaaaaag ctgcattgac gtcttcggca gagccttcg tctgaacgaa acaatatgat 1320  
 gaacattgcc aatgggctc accatcctaa cccaccccc gagaatgtcc agtgggtgaa 1380

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tcaatacgta tctaaaaa cg tcatctccag tgagcatatt gttgagagag aagcagagac 1440
atcccttttcc accagtcact atactttccac agcccatcac tccactactg tcacccagac 1500
tccatgcccac agctggagca acggacacac tgaagcactc ctttccgaaa gccactctgt 1560
aatcgtgatg tcatccgtag aaaacagtag gcacagcagc ccaactgggg gcccaag agg 1620
acgtcttaat ggcacaggag gccctcgtga atgtaacagc ttccctcaggc atgccagaga 1680
aaccctctgat tctaccggag actctcctca tagtgaaagg tatgtgtcag ccatgaccac 1740
cccgctcgtg atgtcacctg tagattttcca cagcccaagc tcccccaaat cgcccccttc 1800
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cttcatggaa gaagagagac ctctacttct cgtgacacca ccaaggctgc gggagaagaa 1920
gtttgaccat caccctcagc agttcagctc ctccaccac aaccccgccg atgacagtaa 1980
cagccctcctt gctagccctt tgaggatagt ggaggatgag gattatgaaa cgaccaaga 2040
gtacgagcca gcccaagagc ctgttaagaa actcgccaat agccggcggg ccaaaagaac 2100
caagcccaat ggccacattg ctaacagatt ggaagtggac agcaacacaa gctcccagag 2160
cagtaactca gagagtgaag cagaagatga aagagtaggc gaagatacgc ctttctgggg 2220
catacagaac cccctggcag ccagctctga ggcaaacctt gcctt ccgcc tggctgacag 2280
caggactaac ccagcagccc gcttctcgac acaggaagaa atccaggcca ggctgtctag 2340
tgtaattgct aaccaagacc ctattgctgt ataaaaccta aataaacaca tagattcacc 2400
tgtaaaactt tattttatat aataaagtat tccaccttaa attaaacaat tatttttatt 2460
ttagcagttc tgcaataaaa aaaaaaaaaa 2490

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<210> 192
<211> 453
<212> DNA
<213> Artificial Sequence

```

```

<220>
<223> Description of Artificial Sequence:primer

```

```

<220>
<221> misc_feature
<222> (1)..(453)
<223> 5' terminal sequence. ciliary neurotrophic
factor receptor (CNTFR) gene.

```

```

<400> 192
cagatgctac gccgggaagg agtacattat ccagggtggca gccaaaggaca atnagattgg 60
gacatggagt gactggagcg taccgcccac gctacgccct ggactgagga accgcgacac 120
ctcaccacgg aggcaccaggc tgcggagacc acgaccagca ccaccagctc cctggcacc 180
ccacctacca cgaagatctg tgaccctggg gagctgggca gcggcggggg accctcgcca 240
cccttcttgg tcagcgtccc catcactctg gccctggctg ncgctgccgc cactgccagc 300
agtcctctga tctgagcccg gccacccatg aggacatgca gagcacctgc agaggancag 360
gaggccggag cttgagccct gtagaccctg gtttctattt t ncacacggg caggaggant 420
ttttgcattn tttttnagac acaatttttt gga 453

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```

<210> 193
<211> 1566
<212> DNA/RNA
<213> Artificial Sequence

```

```

<220>
<223> Description of Artificial Sequence:primer

```

```

<220>
<221> misc_feature
<222> (1)..(1566)
<223> ciliary neurotrophic factor receptor (CNTFR)
gene.

```

```

<400> 193

```

126/292

```

ggcgccggcag cggaggcgcc ggctccagcc ggccgcccgc gagctcggc ggtgggatcc 60
ggcgccgggt gctagctccg cgctccctgc ctgcctcgct gccggggcg gtcggaaggc 120
ggcgccggaa gcccggtgg ccgaggggcg cgactct agc ctgtgcacct catcttgccc 180
ccttggtttt ggaagtcctg aagagttggt ctggaggagg agggaggacat tgatgtgctt 240
ggtgtgtggc cagtgtgtgaa gagatggctg ctccctgtccc gtgggcctgc tgtgtgtgtc 300
ttgcgcgcgc cgccgcagtt gtctacgccc agagacacag tccacaggag gcaccccatg 360
tgcagtacga gcgcc tgggc tctgacgtga cactgccatg tgggacagca aactgggatg 420
ctgcggtgac gtggcgggta aatgggacag acctggcccc tgacctgctc aacggctctc 480
agctggtgct ccatggccg gaactgggcc acagtggcct ctacgcctgc tccaccctg 540
actcctggca cctgcgccac caagctctgc tgcagtgtgg cttgccgcgc cgggagc ctg 600
tgctcagctg ccgctccaac acttaccoca agggcttcta ctgcagctgg catctgccca 660
tcccacccta catctccaac acctccaatg tgactgtgct gcattggctcc aaaattatgg 720
tctgtgagaa ggaccacgccc ctcaagaacc gctgccacat tgcgtacatg cacctgttct 780
ccaccatcaa gtacaaggct tccataagtg tcaga aatgc cctggggcac aatgccacag 840
ctatcacctt tgacgagttc acctgtgtga agctgatcc tccagaaaaa gtggtagccc 900
ggccagtgcc cagcaacctt cgccggctgg aggtgacgtg gcagaccccc tcgacctggc 960
ctgaccctga gtcttttctt ctcaagttct tctgcgcta ccgacccctc atcctggacc 1020
agtggcagca tgtggagctg tccgacggca cagcacacac catcacagat gcctacgccc 1080
ggaaggagta cattatccag gtggcagcca aggacaatga gattgggaca tggagtgaat 1140
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ccagggctgc ggagaccacg accagcacca ccagctccct ggcaccccca c ctaccacga 1260
agatctgtga cctgggggag ctgggcagcg gcgggggacc ctgcgcaccc ttcttggtca 1320
gcgtcccat caactgtgcc ctggctgcgc ctgcgcacac tgccagcagt ctcttgatct 1380
gagcccgcca ccccatgagg acatgcagag cacctgcaga ggacggagg gccgagctg 1440
agcctgcaga ccccggttct tatctt gcac acgggcagga ggacctttt cattctctc 1500
agacacaatt tgtggagacc ccggcgggcc cgggcctgcc gccccccagc cctgcgcgac 1560
caagct
1566

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&lt;210&gt; 194

&lt;211&gt; 349

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(349)

<223> 5' terminal sequence. angiogenin,  
ribonuclease, rnase a family, 5 (ANG) gene.

&lt;400&gt; 194

```

cgtgtacac acactcacac aaggacgcca accccaccta gatgcaaaa ggattcaaaa 60
gaacatcttt gcgtttttcta ccggctcccc atcatcgta tagggaggaa gaagcgggtg 120
agaaacaaaa ctcttttcca ttgtcctgcc cgtttctgcg gacttgttct gaggcgaggg 180
agcctgtgtt ggaagagatg gtgatgggcc tggcggtttt gttgttggtc ttgctgtggt 240
gtctgggtct gacccaccgc acctggctc aggataactn c aggtacaca cacttctga 300
cccagcacta tgatgccaaa ccacagggcc nggatgaca gatactgtg
349

```

&lt;210&gt; 195

&lt;211&gt; 729

&lt;212&gt; DNA/RNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

<221> misc\_feature  
 <222> (1)..(729)  
 <223> angiogenin, ribonuclease, rnase a family, 5  
 (ANG) gene.

<400> 195  
 atgatgcctgt gtcagagagc aaagctcctg tccttttggc ctaatttggt gatgctgttc 60  
 ttgggtctctac cacacctctt ttggccctcc gcaggagcct gtgttggaag agatggtgat 120  
 gggcctgggc gttttgttgt tggctctcgt gctg ggtctg ggtctgacct caccgacct 180  
 ggctcaggat aactccagggt acacacactt cctgacctag cactatgatg ccaaaccaca 240  
 gggccgggat gacagatact gtgaaagcat catgaggaga cggggcctga cctcacccctg 300  
 caaagacatc aacacattta ttcattggcaa caagcgagc atcaaggcca tctgtgaaaa 360  
 caagaatgga aaacctcaca gagaaaacct aagaataagc aagtctctt tccagggtcac 420  
 cacttgcaag ctacatggag gttcccccctg gcctccatgc cagtaccagg ccacagcggg 480  
 gttcagaaac gtgtgttgtt ctgttgaaaa tggcttacct gtccacttgg atcagtcagt 540  
 ttctcgtcgt ccgtaacagg cgggcccctg gtcaagtgtt ggctctgtgt tcct tgcctt 600  
 ccatttcacc tctgcaccca gaacagtgtt ggcaacattc attgccaaag gcccaagaa 660  
 agagctacct ggaccttttg ttttctgttt gacaacatgt ttaataaata aaaatgtctt 720  
 gatatacagt 729

<210> 196  
 <211> 452  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:primer

<220>  
 <221> misc\_feature  
 <222> (1)..(452)  
 <223> 3' terminal sequence. endoglin  
 (osler-rendu-weber syndrome 1) (ENG) gene.

<400> 196  
 ngttactcca gccttggacc ggggctgcca ctt ggagagn cgtggcgacc acaaggaggc 60  
 ggcacctcctg agggctcctg cgggccaactc ggcgggcccc ggcgggttga cggtgaaagt 120  
 ggaactgagc tgcgcaccog gggatctoga tgcgctctc atcctgcagg gtccccctca 180  
 cgtgtcctcgt ctcacgcagc ccaaccacaa catgcagatc tggacctcgt gagaatactc 240  
 cttcaagatc ttccagaga aaaacattcg tggcttcaag ctccagaca cacctcaagg 300  
 cctcctgggg ggaacgcngn atgcttcaat gccagcattg tggcatcctt cgtgggagct 360  
 taccgctggg ccagcattgt ctttatttca ttgcttcca gcttgcggtt gttagggttg 420  
 cagacettaa ccgnaccgt ttccagacca tt 452

<210> 197  
 <211> 379  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:primer

<220>  
 <221> misc\_feature  
 <222> (1)..(379)  
 <223> 5' terminal sequence. endoglin  
 (osler-rendu-weber syndrome 1) (ENG) gene.

<400> 197

128/292

```

aggacgagc cttgtctgt gcaaccagac aggtcagggc tgatgatgtt caagcgcatg 60
aagacagtc tatggtctcc tggtctttgag acccggtctt gggacgcagg gctaccgtgc 120
agctgagggt gccggttttt ggtatgggta ctgtgtagaa gtggaggagg aagctgaagc 180
cggggtcac ctcggggctt ggggacagca ggct cacaca gttgcctctg gccgcccgcc 240
cttggaatga gttccacagg gctccctca ggccecaagt ccagggtggc agctgtctaa 300
ctggagcagg aactcggaga cggatgggga cantctgacc tgcacaaagc tttntttgcc 360
cgggcttcga tgggttttt

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379

&lt;210&gt; 198

&lt;211&gt; 3142

&lt;212&gt; DNA/RNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)-(3142)

<223> endoglin (osler-rendu-weber syndrome 1)  
(ENG) gene.

&lt;400&gt; 198

```

cctgggcccg ccgggctgga tgagccgg ga gctccctgct gccggtcata ccacagcctt 60
catctgcgcc ctggggccag gactgctgct gtactgcga tccattggag cccagcacc 120
cctcccgcgc catccttcgg acagcaactc cagcccagcc ccgcgtccct gtgtccactt 180
ctctcgacc ctcggccgcc accccagaag gctggagcag ggaacggctc gctccggccg 240
cctgtccccc tcgggtcccc gtgcgagccc acgcccggcc cggtgccgcg ccgcagccct 300
gccactggac acaggataag gccacgcgca caggccccca cgtggcagc atggacccgc 360
gcacgctccc tctggctggt gccctgctgc tggccagctg cagcctcagc cccacaagtc 420
ttgcagaaac agtccattgt gaccttcagc ctgtggggcc cgagagggg c gaggtgacat 480
ataccactag ccaggctctg aagggtctgc ttgctcagcc ccccaatgcc atccttgaag 540
tccatgtctc tctcctggag ttcccaacgg gcccgctaca gctggagctg actctccagg 600
catccaagca aaatggcacc tggccccgag aggtgcttct ggtctcagt gtaaacagca 660
gtgtcttctc gcattctccg gccctgg gaa tcccactgca cttggcctac aattccagcc 720
tggtcacctt ccaagagccc ccgggggtca acaccacaga gctgccatcc ttccccaa 780
ccagatcctt tgagtgggca gctgagaggg gccccatcac ctctgtgctg gagctgaatg 840
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tcttgcgagc tgccttaacc agctgtggca tgacagtgct acagagcaatg cctcagcaatg 1620
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ccgagttctc gctcagitta gacagctgcc acctggaact ggggctcagg ggaggcaccg 1860
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ccgagggtga cccgcgtctc agcttctcc tccacttcta cacagtacc atacccaaaa 1980
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gcaaaggctc cgtcctgccc gccgtgctg gcatacactt tgggtgcctt ctcactgggg 2160
ccctgcactc tctgtcactc actgcacac cgtgtgag tac ccaggcccc 2220

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129/292

```

cacagtgcgc atgccggggc cctccatcca cccgggggag cccagtgaag cctctgaggg 2280
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gcaccaaaca cagcatcggg a gcacccaga gcacccctcg ctccaccagc agcatggcat 2460
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gtagccaaagc tgcttgcctc gggcctgccc ctgtgtattc accaccaata aatcagacca 3120
tgaaacctga aaaaaaaaaa aa 3142

```

&lt;210&gt; 199

&lt;211&gt; 402

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(402)

&lt;223&gt; 3' terminal sequence. epidermal growth factor (beta-urogastrone) (EGF) gene.

&lt;400&gt; 199

```

tatgtttttg gtgattttat ttaataaatt agaagaatt catcgttgtc tataatgaaa 60
acaaatcagg caatttactt acaatcttgt aactgaaat acatacaaa t tctgtgcaat 120
cacaccaaga gggaaaaattc tgtaggggaa aaggacagta atgactaaga aactccgaag 180
cctcctgtgt aatattttaa aaataaaatg ttttcattca aatattttaa aaaataagcc 240
atctaattct gaagaaatca gtttctaaat tacatttttc attgattcat cacaactcat 300
tttgcaaaat catcagcatg gaccacg cca atgaggagt aaatgcctac actgtatctt 360
aacggtattg taattattoca atcatttcat gaaactgata ta 402

```

&lt;210&gt; 200

&lt;211&gt; 4877

&lt;212&gt; DNA/RNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(4877)

&lt;223&gt; epidermal growth factor (beta-urogastrone) (EGF) gene.

&lt;400&gt; 200

```

actgttggga gaggaatogt atctccatat ttcttctttc agccccaatc caagggttgt 60
agctggaaact ttccatcagt tcttcccttc ttttctctct ctaagccttt gccttgcctc 120
gtccacagta agtcagcca g agcagggctg ttaaaactctg tgaaatttgt cataaggggt 180
tcaggtattt ctatctggct tccaaagaaa catagataaa gaaatctttc ctgtggcttc 240

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ccttgccagg ctgcattcag aaggtctctc agttgaagaa agagcttgga ggacaacacg 300  
 acaacaggag agtaaaagat gccccagggc tgaggcctcc gctcaggcag ccgcactctg 360  
 ggtcaatcat acctacccttg cccgggccat gctccagcaa aatcaagctg ttttctcttg 420  
 aaggttcaaa ctcatcagaa cactcttctc attctgttgc agttagtttc 480  
 aaaaatttagt tttgttagtc ctccagcacc gcagcactgg agctgtctct aaggtactct 540  
 cgcaggaaat gggaattctc ctgtgtgtgg tctgcacc c tcttataatt tctccacttg 600  
 aaatagtatc tttaggattg acacagaagg aaccaattat gagcaattgg tgggtgattg 660  
 tgggtgtctc gtgatcatgg attttcatta taatgagaaa agaactattt ggggtgattt 720  
 agaagagaaa cttttgcaaa gagtttttct gaatgggtca agccaagaga gagtatgttaa 780  
 tatagagaaa aatgtttt ctg gaatggcaat aaattggata aatgaagaag tttatgtgtc 840  
 aatatcaacag gaaggaatca ttacagtaac agatatgaaa gaaaataatt cccacttctc 900  
 ttttaagtct ttataaatatc ctgcaaatgt agcagttgat ccagtagaaa ggtttatatt 960  
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 tgaatggagt tctgttcaca ttagttaaca tccaacacag cataatttgg ttgcaattgc 1200  
 ccttttttgg gaccgtatct tctattcaac atg gaaaatg aagacaattt ggatagccaa 1260  
 caaacacact ggaaaggaca tgggttagaat taacctccat tcatcatttg taccacttgg 1320  
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 tgagcagaaa ctttgcnaat tgaggaaaagg aaactgcagc agcactgtgt gtgggcaaga 1440  
 cctccagtca cacttgtgca tgtgtgcaga gggatacgcc ctaagtccag accggaagta 1500  
 ctgtgaagat gttaatgaat gtgtcttttt gaatcatggc tgtactcttg ggtgtaaaaa 1560  
 caccctcgga tctattact cctgtccacg caatgtgtct gaatgca gcc atgactgtgt 1680  
 acgatgtcat caactgtttt taatgttctg tctgtgaagg tcaagtgtct agagagatgg 1740  
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 gaaaacatgt agcgctgtgt gatcctggg aatgtgattg ctttctggg tatgacctac ctgtgtatga 1860  
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 aaaaagctgt cactttgatg gaacagacta tggaaactct ctccagccag agatgggaat 1980  
 tgcacacatg cathttgcag accctgtgga aaataagata tactttgcc atccagccct 2040  
 ggtttatgac ctagatcatg agagagagcta atatggatgg tttcagcaga gaaaggctta ttgaggaagg 2100  
 gaagtggata ccagaaggtc ctgtgttggc ctgatttggc ctgagattct attggacaga 2160  
 agtagtatga tctctgtatt gaaggagtga tttaaatggg aaacgtttca aataatacac 2220  
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 tctggttata gccagctctg atgccaaagc gtctgtgatt gaaatggcca atctggatgg 2460  
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 gtaccagagc ctgaaagtgt gggaaactgc ccacgtgtgc ccagggcagc agcagaaggt 3540  
 catcgtgtg cgtgtctgcg tgtgtgtgct tgctcatgct ctctcctga gctgtggg 3600  
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 gtcgagcaga gatgtgagga gtgcagagc tgtgcactt gaggatggga tctcctctg 3720  
 cctcaacctt tggtttggg tatataaaga acaccaagac ctaagaagt ggggtcaacc 3780  
 agtgcgtggt gaggatggc tgggtcaatg caaccaact ttggaggga 3840  
 ggagccccag ttatgtggaa tgggcacaga gcaagctgct tggattccag tatccagtga 3900

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taagggtctcc tgtccccagg taatggagcg aagctttcat atgccctcct atgggacaca 3960
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acaaagggcc ctggaccacac cacac caaat ggagctgact cagtgaataa tggaattaaa 4080
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acaaagtaat ttctttgctc tggacagaa atttatatac a gtttcatgaa atgattggaa 4500
tattacaata ccgttaagat acagtgtagg catttaactc ctcatggcg tgggccatgc 4560
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attttccctc ttggtgtgat tgacagaa attgatgtat tttcagttac aagattgtaa 4800
gtaaatgcc tgatttgttt tcattataga caacgatgaa tttcttctaa ttattttaa 4860
aaaatcacca aaaacat

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4877

&lt;210&gt; 201

&lt;211&gt; 153

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(153)

<223> 3' terminal sequence. hmt1 (hnrnp  
methyltransferase, s. cerevisiae) -like 1 (HRMT1L1)  
gene.

&lt;400&gt; 201

```

attagacctc acattaggga aaacatcaaa atgancacg cagcaccctt gagatcctga 60
ggttgcccca gccagagccc tgctcagaag cccccagct ccggcccca gctgcccgca 120
cgccgccct caccagcagg caggtcccca tcc

```

153

&lt;210&gt; 202

&lt;211&gt; 472

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(472)

<223> 5' terminal sequence. hmt1 (hnrnp  
methyltransferase, s. cerevisiae) -like 1 (HRMT1L1)  
gene.

&lt;400&gt; 202

```

agtgaatcgc agggagaaga gcctgctgag tncagtgagg cgggtctcct gcaggaggga 60
gtacagccag aggagtttgt gccatcgcg gactacgctg ccacgatga gaccagctc 120
agttttttga gaggagaaaa aattcttctc ctgagacaaa ccactgcaga ttggtggtg 180
ggtgagcgtg cgggctgctg tgggtacatt c cggaacc atgtggggaa gcactggat 240
gagtacgacc ccgaggacac gtggcaggat gaagagtact tcggcagcta tggaaactctg 300

```



```

aaactccact tgggagatgt tggcagacca gccacgaaca actaaatacc acagtgttca 360
ttcctcncag gaattaaaga atccctgnac ggnttaaagt tcttcnnggg acgtggggct 420
gtgggggattt gggatecnc agtctctntt tgttgacacat ttctcgctgc nt 472

```

&lt;210&gt; 203

&lt;211&gt; 2093

&lt;212&gt; DNA/RNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(2093)

<223> hmt1 (hmrp methyltransferase, s.  
cerevisiae)-like 1 (HRMT1L1) gene.

&lt;400&gt; 203

```

cactgcgctt gcgcgggttg agggcggttg ctcaagtctc tggaaaggac cgtccacccc 60
tcgcgctggt cgggtgtggc gcggaactca gcggagaaac gcgattgaga aatggaaaaa 120
aaaatgaaat aaatcagcag ttatgaggca gagcctaaga gaactatggc aa catcaggt 180
gactgtccca gaagtgaatc gcaggagaaa gagcctgctg agtgcagtga ggcgggtctc 240
ctgcaggagg gactacagcc agaggagttt gtggccatcg cggactacgc tgccaccgat 300
gagaccagc cagttttttt gagaggagaa aaaattctta tcttgagaca aaccaatgca 360
gattgtgtgt ggggtgagcg tgcgggctgc tgtgggtaca ttccggcaaa ccatgtgggg 420
aagcacgttg atgagtacga ccccgaggac acgtggcagg atgaagagta ctctgcgcag 480
tatggaaact tgaactccca ctgtgagatg ttggcagacc agccacgaac aactaaatac 540
cacagtgtca tctcgcagaa taaagaatcc ctgacggata aagtcacctc ggacgtgggc 600
tgtgggactg ggatcatcag tctctctgtg gcacactatg cgcggcctag agcgggtgac 660
gcggtggagg ccagtgcagt gccacagcac acggggcagc tggctctgca gaacggtctt 720
gctgacatca tcaccgtgta ccagcagaag gtggaggatg tgggtgctgc cgagaagggt 780
gcgctgcttg tgcctgagtg gatggggacc tgcctgctgt ttgagttcat gatcgagtc 840
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gcgttgacac ttgtgccctg cagtgcctgat aggattatcg tagccaaggt gctctctctg 960
gacaacgcgt acgagttaa cctcagcgct ctgaaatctt tagcagttaa ggagtttttt 1020
tcaaagccca agtataacca catttga aa ccagaagact gtctctctga accgtgcact 1080
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atgcgatggg actctgcagt ggatagtaca gttgtgtaga cgtctccaa ataaattatg 2040
tgttgtgtgc atgcacatg ctcaataaat attttaaatg agtgaaaaaa aaa 2093

```

&lt;210&gt; 204

&lt;211&gt; 431

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

```

<220>
<223> Description of Artificial Sequence:primer

<220>
<221> misc_feature
<222> (1)..(431)
<223> 3' terminal sequence. ets variant gene 4
        (ela enhancer-binding protein, elaf) (ETV4) gene.

<400> 204
tgggggcctt tattaaggct tggcagatgt ggtggagggt gaagtacaaa cccaggcctg 60
ggcctaggaa agggcagaag aaaggcaaa ggtcccttgg agcaggaaac catccctctc 120
tgcttatacc cagcaccctt catcccaggt tcctttcttc aacctccgcc tgccctctgg 180
aacacagagc accaagaact gacaaaccgg gaccctccag gggccacagc gtgggggc ag 240
agtcacaggn ttctgtctcc ccgcagtggt gagatctnng ggagctcagg tgaacctctc 300
cancctctct ccatgatgaa gttggggaag cgccttttct tgtcccccag aacagaaaca 360
actcttgctt ctgtggggtt ngggggaaaa ggtttngggg ggtttggact tagggggaga 420
gttnagcttg a                                431

<210> 205
<211> 435
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:primer

<220>
<221> misc_feature
<222> (1)..(435)
<223> 5' terminal sequence. ets variant gene 4
        (ela enhancer-binding protein, elaf) (ETV4) gene.

<400> 205
gtcccctgcc cctgcccttg gacagtcgcc cctacagnc tttcccggg cagagaacgg 60
aatttctcga gatcctcttg cacctcccag cccacccctg gccatgggta cctoggggaa 120
catagctccg tcttcacga gccctggga catttgccac tccttcacat ctcagggag 180
gggcccggaa cccctcccag gccccctacc aacaccagct gtcggagccc tgcccacct 240
atcccacga gagctttaag caagaatacc atgatccct gtatggaaac gggngggggc 300
agccaggccg tgggaaccag ggggtgggggt tcaatggggg cacagggtac ccaggggggg 360
ggggggttgg ttgattcaaa acagggaaca gacgggattt tt ggnntaag gatttnaggt 420
tntttaancg gggtg                                435

<210> 206
<211> 447
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:primer

<220>
<221> misc_feature
<222> (1)..(447)
<223> 5' terminal sequence. annexin a11 (ANXA11)
        gene.

<400> 206

```

```

agaccccagt cctctttgac atttatgaga taaaggaagc catcaagggg gttggcactg 60
atgaagcctg cctgattgag atcctcgctt ccgcagcaaa tgagcacatc cgagaataa 120
acagagccta caaagcgaaa ttcaaaaaga ccttggaaga ggcca ttcca agcgacacat 180
cagggcactt ccagcgcttc ctcatctctc ttctcagggg aaacctgtat gaaagcaca 240
acgtggacat gtcactcgcc cagagagatg cccaggggagc tgtatgcggn cggggagaa 300
ccgcctgggg aacagacgag tccaagtctt aattgcgggt tctgtggctt cccgggagcc 360
gggcncacc tgggtaggca gtt ttccaat gagttaccag agaatagnaca gggccnngac 420
attntagaa gagcatctgc ccggaga 447

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&lt;210&gt; 207

&lt;211&gt; 1958

&lt;212&gt; DNA/RNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)-(1958)

&lt;223&gt; annexin a11 (ANXA11) gene.

&lt;400&gt; 207

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gtgtgtgcgc ccgcggctcc ccagtgcgcc gagtgcccgc cgggcccgcg gagcggggagt 60
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&lt;210&gt; 208

&lt;211&gt; 433

<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:primer

<220>  
<221> misc\_feature  
<222> (1)..(433)  
<223> 5' terminal sequence. platelet-derived  
growth factor receptor, beta polypeptide (PDGFRB)  
gene.

<400> 208  
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<210> 209  
<211> 5570  
<212> DNA/RNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:primer

<220>  
<221> misc\_feature  
<222> (1)..(5570)  
<223> platelet-derived growth factor receptor,  
beta polypeptide (PDGFRB) gene.

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137/292

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&lt;210&gt; 210

&lt;211&gt; 406

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(406)

<223> 5' terminal sequence. williams-beuren  
syndrome chromosome region 14 (WBSCL14) gene.

&lt;400&gt; 210

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&lt;210&gt; 211

&lt;211&gt; 3293

&lt;212&gt; DNA/RNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(3293)

<223> williams-beuren syndrome chromosome region  
14 (WBSCL14) gene.

&lt;400&gt; 211

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&lt;210&gt; 212

&lt;211&gt; 207

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(207)

&lt;223&gt; 5' terminal sequence. cd74 antigen

(invariant polypeptide of major histocompatibility complex, class ii antigen-associated) (CD74) gene.

```

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```

<210> 213
<211> 1304
<212> DNA/RNA
<213> Artificial Sequence

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<220>
<223> Description of Artificial Sequence:primer

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<220>
<221> misc_feature
<222> (1)..(1304)
<223> cd74 antigen (invariant polypeptide of major
histocompatibility complex, class ii
antigen-associated) (CD74) gene.

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<400> 213
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```

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<210> 214
<211> 355
<212> DNA
<213> Artificial Sequence

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```

<220>
<223> Description of Artificial Sequence:primer

```

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<220>
<221> misc_feature
<222> (1)..(355)
<223> 5' terminal sequence, annexin a7 (ANXA7)
gene.

```



<400> 214  
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 ggcaatgaag ggttttgga cagatgagca ggcaattgtn gatgtngttg ccaaccgttt 120  
 ccaatgatca gaggcacaaa attaaagcag catttaagac ctccatggc aaggatttaa 180  
 tcaaaagatct caaatcagag ttaagtnгаа atatggaaga actgatcctn ggccctcttc 240  
 atgcctccta cgtattacga tgcctngagc tttaacgaaa gcaatncagg gancaggtac 300  
 tcaggancgt tgtatttgat ttngatttt ntgcacang atcanattca ggtaa 355

<210> 215  
 <211> 2176  
 <212> DNA/RNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:primer

<220>  
 <221> misc\_feature  
 <222> (1)..(2176)  
 <223> annexin a7 (ANXA7) gene.

<400> 215  
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<210> 216  
 <211> 525  
 <212> DNA  
 <213> Artificial Sequence  
 <220>  
 <223> Description of Artificial Sequence:primer

<220>  
 <221> misc\_feature  
 <222> (1)..(525)  
 <223> 3' terminal sequence. thrombospondin 1  
 (THBS1) gene.

<400> 216  
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 gaggcagagg ttttttgac ggnttaggg gatttttgc aagtt 525

<210> 217  
 <211> 5722  
 <212> DNA/RNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:primer

<220>  
 <221> misc\_feature  
 <222> (1)..(5722)  
 <223> thrombospondin 1 (THBS1) gene.

<400> 217  
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## 143/292

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&lt;210&gt; 218

&lt;211&gt; 397

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(397)

<223> 3' terminal sequence. protein tyrosine  
phosphatase, non-receptor type 2 (PTPN2) gene.

&lt;400&gt; 218

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&lt;210&gt; 219

&lt;211&gt; 338

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(338)

<223> 5' terminal sequence. protein tyrosine  
phosphatase, non-receptor type 2 (PTPN2) gene.

&lt;400&gt; 219

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tctggcaact tctctctggt agacacttgt cttgttttga tggaaaaagg agatgatatt 120
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<210> 220

<211> 2287

<212> DNA/RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc\_feature

<222> (1)..(2287)

<223> protein tyrosine phosphatase, non -receptor  
 type 2 (PTPN2) gene.

<400> 220

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 atatgtttat ttttcatgaa aatttc aatg tagttggggt agattatgat tttaggaagca 2220  
 aaagtaagaa gcagcatttt atgattcata atttcagttt actagactga agttttgaag 2280  
 taacccc 2287

<210> 221

<211> 296  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:primer

<220>  
<221> misc\_feature  
<222> (1)..(296)  
<223> 3' terminal sequence. epha2 (EPHA2) gene.

<400> 221  
ctcgctggc tcacacaccc gtatggcaaa ggggtgggacc tgatgcagaa catcatgaat 60  
gacatgccga tctacatgta ctccgtgtgc aacgtgatg t ctggcgacca ggaanaactgg 120  
ctccgcacca actgggtgta ccgaggagag gctgagcgta tcttcattga gctcaagttt 180  
actgtacgtg actgcaacag ctctccctggg tggcgccant tccctggcaag gagactttca 240  
acctctacta tgccgagtcg gacctggggac tacggcanca acttncagaa gcgcct 296

<210> 222  
<211> 3921  
<212> DNA/RNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:primer

<220>  
<221> misc\_feature  
<222> (1)..(3921)  
<223> epha2 (EPHA2) gene.

<400> 222  
cggaagtgc gcgcaggccg gcgggcggga gcggacaccg aggcggcgct gcaggcgctgc 60  
gggtgtgcgg gagccgggct cggggggatc gaaccgagag cgagaagcgc ggcattggagc 120  
tcacaggcag ccgcgcctgc ttgcgccctgc tgggtgggctg tgcgctggcc gcggccgcgg 180  
cggcgcaggg caaggaaagt gtactgctgg actttgctgc agctggaggg gagctcggtc 240  
ggctcacaca ccggtatggc aaagggtggg acctgatgca gaacatc atg aatgacatgc 300  
cgatctacat gtactccgtg tgcaactgta tgtctggoga ccaggacaac tggctccgca 360  
ccaactgggt gtaccgagga gaggtgagc gtaacaactt tgagctcaac tttactgtac 420  
gtgactgcaa cagcttccct ggtggcgcca gctcctgcaa ggagactttc aaactctact 480  
atgccagatc ggacctggac tacgg caacca acttccagaa gcgcctgttc accaagattg 540  
acaccattgc ccccgatgag atcacccgtca gcagcgactt cgaggcacgc cacgtgaagc 600  
tgaaactgga ggaagcgctcc gtggggccgc tcaccgcgaa aggccttctac ctggcccttcc 660  
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```

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gcacaactct cgtcaacagc aacctgtgtc gcaaggtgtc tgactttggc ctgtcccgcg 2400
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ataagtttct attctgtcag tgttaaagat tttgttttgt tggacatttt tttogaatct 3840
taatttatta ttttttttat atttattgtt agaaaaatgac ttattctgc tctggaataa 3900
agttgcagat gattcaaac g 3921

```

&lt;210&gt; 223

&lt;211&gt; 437

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(437)

<223> 3' terminal sequence. tissue inhibitor of metalloproteinase 1 (erythroid potentiating activity, collagenase inhibitor) (TIMP1) gene.

&lt;400&gt; 223

```

ggaacagggt ggacactgtg caggcttcag cttccactcc gggcaggatt caggctatct 60
gggacccgag gacttgcag gngcacagcc ctggctcccg aggcaggcag gcaaggtgac 120
gggactggaa gcccttttca naggcottga ggagctggnc cgtccacaag caatgagtc 180
cactctgcag tttgcagggg atggataaac agggaaacac tgtgcattcc tcacagccaa 240

```

```

cagnttaggt cttggtnaag ccccggcgt gagctaagct caggcttttc caggggagcc 300
acgaactcnc aggtagtgat gtgcaagagt ccactctgca gttttccaggc aatnagaaac 360
tcctcgttng cggttttttg ggacnttgg aagtnttc cg cagacatttt tccatgggcc 420
gggttttaag acgaacc

```

437

&lt;210&gt; 224

&lt;211&gt; 466

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(466)

<223> 5' terminal sequence. tissue inhibitor of metalloproteinase 1 (erythroid potentiating activity, collagenase inhibitor) (TIMP1) gene.

&lt;400&gt; 224

```

gccncagatc cagcgcgccag agagacacca gagaaccac catggccccc tttnagccc 60
ctggcttctg gcactcctgt g ttgctgtgg ctgatagcc ccagcagggc ctgcacctgt 120
gtccaccccc acccacagac ggccttctgc aattccgacc tcgtcatcag ggccaaagttc 180
gtggggacac cagaagtcaa ccagaccacc ttataccagc gttatgagat caagatgacc 240
aagatgtata aagggttcca agccttaggg gatgccgctg acatccgggt cgtctacacc 300
ccgcocatgg agagtgtctg cggatacttn cacaggctcc acaaccgnag cgaggagttt 360
ctcattngct ggaaaactgt aggatggact tcttgacat tnaactcctt gcagttttng 420
tgggttcctt gggaacagtc tgaggtttag tttagcggtn ggggtt

```

466

&lt;210&gt; 225

&lt;211&gt; 782

&lt;212&gt; DNA/RNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(782)

<223> tissue inhibitor of metalloproteinase 1 (erythroid potentiating activity, collagenase inhibitor) (TIMP1) gene.

&lt;400&gt; 225

```

aggggcctta cggtgccgca tcgcogagat ccagcgccca gagagacacc agagaaccca 60
ccatggcccc ctttgagccc ctggcttctg gcactcctgt gttgctgtgg ctgatagcc 120
ccagcagggc ctgcacctgt gtcccacccc acccacagac ggccttctgc aattccgacc 180
tcgtcatcag ggccaaagttc gtggggacac cagaagtcaa c cagaccacc ttataccagc 240
gttatgagat caagatgacc aagatgtata aagggttcca agccttaggg gatgccgctg 300
acatccgggt cgtctacacc ccgcocatgg agagtgtctg cggatacttc cacaggctcc 360
acaaccgcag cgaggagttt ctcattgctg gaaaactgca ggaatggactc ttgcacatca 420
ctaccctcag ttctcgtggc ccttggaaca gcttgagctt agctcagcgc cgggggttca 480
ccaagaccta cactgttggc tgtgaggaat gcacagtgtt tcctgttata tccatccct 540
gcaaacctga gagtggcaact cattgcttgt ggacggacca gctctccaa ggctctgaaa 600
agggcttcca gtcccgtcac cttgcctgcc tgccctcgga gccagggctg tgcacctggc 6 60
agtcctcgcg gtcccagata gctgtaatcc tgcccggagt ggaactgaag cctgcacagt 720
gtccacctgt ttcccactcc catctttctt ccggacaatg aaataaagag ttaccacca 780

```



gc

782

&lt;210&gt; 226

&lt;211&gt; 353

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(353)

&lt;223&gt; 5' terminal sequence. ephrin -a1 (EFNA1) gene.

&lt;400&gt; 226

```

acagctacta ctacatctca gccaaaccca tccaccagca tgaagaccgc tgcttgaggt 60
tgaaggtgac tgtcagtggc aaaatcactc acagtctctca ggcccatgtc aatccacagg 120
agaagagact tgcagcagat gaccacagag tgcggggttct acatagcactc ggtcacagtg 180
ctgccccacg cctcttccca cttgcctgga ctgtgctgct ccttccactt ctgctgctgc 240
aaaccccggt aaggtgtgat ccacacctgg ccttaaagag ggaca ggctg aagagagggga 300
caggcactcc aaacctgtct tgggggccac ttccagagcc ccgagccctt ggg 353

```

&lt;210&gt; 227

&lt;211&gt; 1480

&lt;212&gt; DNA/RNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(1480)

&lt;223&gt; ephrin-a1 (EFNA1) gene.

&lt;400&gt; 227

```

cgggagaaag ccagtgaggaa cccagaccca taggagacco gcgtccccgc tcggcctggc 60
caggccccgc gctatggagt tctcttgggc cctctcttgc ggtctgtgct gcagtctggc 120
cgctgctgat cgccacaccc tctcttggaa cagtccaat cccaagttcc ggaatgagga 180
ctacaccata catgtgcagc tgaatgacta cgtggacatc atctgtccgc actatgaaga 240
tcaactctgt gcagacgctg ccatggagca gtacatactg tacctggtgg agcatgagga 300
gtaccagctg tgcccagccc agtccaagga ccaagtccgc tggcagtgca accggcccag 360
tgccaagcat ggcccggaga agctgtctga gaagttccag cgcttcacac ctttaccctt 420
gggccaaggag ttcaagaagag gacacagcta ctactacatc tccaaaccca tccaccagca 480
tgaagaccgc tgcttggagt tgaaggtgac tgtcagtggc aaaaatcactc acagtctctca 540
ggcccatgtc aatccacagg agaagagact tgcagcagat gaccacagag tgcggggttct 600
acatagcactc ggtcacagtg ctgcccga cg cctcttccca cttgcctgga cttgctgtgt 660
ccttccactt ctgctgtgct aaaccccggt aaggtgtgat ccacacctgg ccttaaagag 720
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gtcagttatta aggttttcaa ccggaaggag gccaaaccag ccgacagtgc catccccacc 900
ttcacctcgg agggacggag aaagaagtgg agacagtcct tcccaccat tctgtccttt 960
aagccaaga aacaagctgt gcaggcatgg tcccttaagg cacagtggga gctgagctgg 1020
aaggggccac gtggatgggc aaagctgtgc aaagatgcc cctccag gag agagccagga 1080
tgcccagatg aactgactga aggaaaagca agaaacagtt tcttgcttgg aagccaggta 1140
caggagaggg agcatgtgtg ggctgaccca gcactctcca gcaaacactc atctgtggag 1200
ctgccacaga gaagtttcta gccaggtact gcattctctc ccatcctggg gcagcactcc 1260

```

149/292

```

ccagagctgt gccagcagg ggcctgtgcc aacctgttct tagagtgtag ctgtaagggc 1320
agtgcccatg tgtacattct gcctagagt tagcctaaag ggcaggggcc acgtgtatag 1380
tatctgtata taagtgtgct tgtgtctgtc ctgatttcta caactggagt ttttttatac 1440
aatgttcttt gtctcaaaa aaagcaatgt gttttttcgg 1480

```

&lt;210&gt; 228

&lt;211&gt; 170

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(170)

<223> 3' terminal sequence. endothelin receptor  
type a (EDNRA) gene.

&lt;400&gt; 228

```

ttttaagggt tctgtaaac tttattttac acctatgggc cactgcaact caggggccttg 60
gcttctggct cattttcaca aagttacttg ttgaaaagat gtatgaaagg tagaaattgg 120
aaatattcct gctagtaaac cacagt tact taccagtcca taaataaaa 170

```

&lt;210&gt; 229

&lt;211&gt; 4105

&lt;212&gt; DNA/RNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(4105)

&lt;223&gt; endothelin receptor type a (EDNRA) gene.

&lt;400&gt; 229

```

gaattgcgg cgcctcttg cgggtcccaga gtggagtgga aggtctggag ctttgggagg 60
agacggggag gacagactg aggcgtgttc ctccggagtt ttctttttcg tgcgagccct 120
cgcgcgcgcg tacagtcctc ccgctgggtc gacgatttg gagagggcgt ggagaggctt 180
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gcagtgccca ggaagttttc tgaagccggg gaagctgtgc agccgaagcc gccgcgcgcg 300
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ttttcgtgcg acagagctca gtttctgtgt taccactcat caaccaccta atttggctct 660
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caaatacatt aacactgtga tatcttgtac tattttctac gtgggaatgg tggggaatgc 780
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tatgtctaat gccacatcaa aattcatgga gttctaccaa gatgtaaaag actggtggtc 1260

```

```

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gcagcgtcga gaagtggcaa aaacagtttt ctgcttgggt gtaatttttg ctctttgctg 1440
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ttccagtgca tgccctctgt gctgctgtta ccagtcacaa agctgtgatg cctcggctcc 1680
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aatcctctgt gagaaaaaaa tc acaaggca actgtgactc cgggaatctc ttctctgac 1860
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ctggtttate caccacacac atctacgaat cgtacttctt taattgatct aatttaca 1980
ttctgcgtgt tgtattcagc actaaaaaat ggtgggagct gggggagagt gaagactggt 2 040
aaatgaaccc agaagatat ttactacttt tgcataaaaa tagagcttct aagtaagtag 2100
ctagctttta tggcagttct ggtgaatggt caatgggaac tggtcaccat gaaacttag 2160
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&lt;210&gt; 230

&lt;211&gt; 240

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(240)

<223> 3' terminal sequence. growth factor  
receptor-bound protein 2 (GRB2) gene.

<400> 230  
ggtttcttgt tttttattat tggcgtcagt agnagactata cgtggcctta aacgtcatgc 60  
actgatggac agaagagaaa aaaggatgaa aaaaaagaca aaggagggga aagaggagca 120  
gcagtgaaan ttgtaatata aaactcttct taatttatag gtaagttttg gcatttttaa 180  
atccaagcgc cctctccacc ccctaaagtt ccaaccaaag tgagagggtc acagggtgac 240

<210> 231  
<211> 475  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:primer

<220>  
<221> misc\_feature  
<222> (1)..(475)  
<223> 5' terminal sequence. growth factor  
receptor-bound protein 2 (GRB2) gene.

<400> 231  
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ggggcctttc ttatccgaga gagtgcagc gctcctgggg acttctccct ctctgtcaag 180  
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tggtgggtga agttcaattc ttga atgag ctggtggatt atcacagatc tacatctgtc 300  
tcagaaaacc agcagatatt cctgcgggga cattaggaac aggtgccaca gcaggccgac 360  
atacgttcca ggggcctttt ttgattttt gattcccag gggggnnttg ngagggttgg 420  
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<210> 232  
<211> 1109  
<212> DNA/RNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:primer

<220>  
<221> misc\_feature  
<222> (1)..(1109)  
<223> growth factor receptor-bound protein 2  
(GRB2) gene.

<400> 232  
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cactgagcag cgctcagaat ggaagccatc gccaaatatg acttcaaaag tactgcagac 120  
gacgagctga gcttcaaaaag gggggacatc ctcaaagttt tgaacgaaga atgtgatcag 180  
aactggtaca aggcagagct taatggaaaa gacggttca ttccaagaa ctacatagaa 2 40  
atgaaccacac atccgtggtt ttttggcaaa atcccagag ccaaggcaga agaaatgctt 300  
agcaaacacgc ggcacgatgg ggccttttct atccgagaga gtgagagcgc tctctgggac 360  
ttctcctct ctgtcaagtt tggaaacgat gtgcagcact tcaaggtgct ccgagatgga 420  
gccgggaagt actctctctg ggtggtgaag ttcaattctt tgaatgagct ggtgattat 480  
cacagatcta catctgtctc cagaaacagc cagatattcc tgcgggacat agaacaggtg 540  
ccacagcagc cgacatacgt ccaggccctc tttagctttg atcccagga ggaatggagag 600  
ctgggcttcc gccggggaga ttttatccat gtcattggata actcagaccc caactggttg 660

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caaaagaatt aaacccacaa gctgcctctg acacagcgcct gtgaggggagt gcgaacaccc 840
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tcaactgtgc tcctctttcc cctcctttgt cttttttttc atcctttttt ctctctgtgc 1020
catcagtcca tgacgtttaa ggccacgtat agtcctagct gacgccaata ataaaaaaca 1080
agaaacccaa aaaaaaaaac ccgaattca 1109

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&lt;210&gt; 233

&lt;211&gt; 446

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(446)

&lt;223&gt; 3' terminal sequence. jun d proto -oncogene (JUND) gene.

&lt;400&gt; 233

```

cgcgcgcttc ggctgcennng ntgtacacgg cgccggaaag tggggctccg agggggcgca 60
ctcaaaaccc tgccctttct ttacttttac tttttttttt tttcttttgg aagagagaag 120
aacagagtgt tgcattctgc cctattttatg ttctacttcg ggaacaaacg ttggttggtg 180
gtgtgtgtgt tttctgtgtg tgggttttta a agaaatggg aagaagaaaa aaaaattctc 240
gcgcccttcc ctgcgctcgc ctccccctt cggttctttc gaccgggtcc cccctccctt 300
ttttgttctt gttttgtttt gttttgctac gagtccacat tctgttttgt aatccttggg 360
ttcgnccggt tttctgtttt cagtaaagtc tcgttacggc aaaacctcgt gccgaatttt 420
tggggctcga ggggcaaaat ttccca 446

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&lt;210&gt; 234

&lt;211&gt; 1891

&lt;212&gt; DNA/RNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(1891)

&lt;223&gt; jun d proto -oncogene (JUND) gene.

&lt;400&gt; 234

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ccgaggtcat aagaggcgcg acaagtggcg cggcgagga gccgcccca gtgaggggcc 60
gggctgctgc gccgcggcgg gggcgggcgc agggccgagc ggacgggggg gcgcggggcc 120
cccgggagcg cgcggccact cccccccggg ccggcgcgcg gggggaggcg gaggatggaa 180
acacccttct acggcgatga ggcgctg agc ggctggggcg gcggcgccag tggcagcggc 240
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gccttgagg atttaccaa gcagaaccag ctcgggcgcg gccgggc cgc tgcgccgcgc 660
gccgcgcgcg ccggggggcc ctcgggcagc gccacgggct ccgcgcccc ccgcgagctg 720

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153/292

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gccccggcggc  cggccgcgcgc  cgaagcgcct  gtctacgcga  acctgagcag  ctacgcgggc  780
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ccgcgcgcgcg  cacccccagc  cgcgt tgggg  ccgcgcgcgc  tggtgcgcgt  caaggacgag  900
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tgttttgttt  tgttttgcta  cgagtcacca  ttctgtttg  taatccttgg  ttcgcccggt  1860
tttctgtttt  cagtaaagtc  tcgttacgcc  a  1891

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&lt;210&gt; 235

&lt;211&gt; 421

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(421)

<223> 3' terminal sequence. swi/snf related,  
matrix associated, actin dependent regulator of  
chromatin, subfamily a, member 2 (SMARCA2) gene.

&lt;400&gt; 235

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accaaaagtc  ttcaagccac  gagcggagg  cattctctga  ggccatcttg  gagcatgagg  60
aggaaaatga  ggaagaagat  gaagtaccg  acgatgagac  tctgaaccaa  atgattgtct  120
gacgagaaga  agaatttgac  ctttttatgc  ggatggacat  ggaccggcgg  agggaagatg  180
cccggaaccc  gaaacgggag  cccccgttaa  tggaggagga  tgagctgccc  tctcggntca  240
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ggaaggggtc  ccgccagcgc  cgtgacgtgg  actacagtga  cgccctcacg  gagaagcagt  360
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g  421

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&lt;210&gt; 236

&lt;211&gt; 438

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(438)

<223> 5' terminal sequence. swi/snf related,  
matrix associated, actin dependent regulator of

chromatin, subfamily a, member 2 (SMARCA2) gene.

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<400> 236
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tctgggatcc ctccaggttg aacgtctgag cg ttgtgaca gagaagcatg acatccttct 120
ccaggctgcc taggctccgg tacttatgat taogaatcct ttccctttatt tttttgaaat 180
ccactggctt cctaattaat tcatagtatt ctggtaattc ttcccttgaa ggttaactgaa 240
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tgggcacctt ctccacgtta cacctatctt tgtagtttat cacagtgc gatgattagc 360
gttcattctg cttgtcagt ttggggggga ttgtgtgaca gntttntcag cgggagggcg 420
gcctctttct ttcttagg                                     438

<210> 237
<211> 5257
<212> DNA/RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:primer

<220>
<221> misc_feature
<222> (1)..(5257)
<223> swi/snf related, matrix associated, actin
dependent regulator of chromatin, subfamily a,
member 2 (SMARCA2) gene.

<400> 237
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ctgatgaaga tgtgctgatt aacataattct gtgatatggt ttacaacttt taatcataat 120
tgtccatgat tttggaatgc tgttatttat cagtaaatgt aaaatatttg aggcatttag 180
ccatacacac actagaacct tttaaaactt tgcctcatag tgtaatta ta aactgatgac 240
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tccacagact tccacagga aggcatgcat caaatgcata agcccatcga tgggtatacat 540
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gaggaagagg aagatgaaga agagtccagag tccgaggcaa aatcagtaaa ggtgaaaatt 4860
aagctcaata aaaaagatga caaaggccgg gacaaaggga aaggcaagaa aaggccaaat 4920
cgagaaaaag ccaaacctgt agtgagcgat tttagacgc atgagagca ggaatgaagct 4980
gaacagtcaag aaggaa gtgg gacggatgat gagtgtcag tatggacct tttccttggt 5040
agaactgaat tcttctctcc cotgtctcat ttotaccag tgagtctcatt tgcataatag 5100
gcaactgggt gtttctatat catcatcgtc tataaactag ctttaggata gtcggagaca 5160
aacatatgat atcatgtgtg aaaaaacaca cacatacaca aatatttgtg accaa atggg 5220
cctcaagat tcagattgaa acaaacaaaa agctttt 5257

```

&lt;210&gt; 238

&lt;211&gt; 507

&lt;212&gt; DNA



<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc\_feature

<222> (1)..(507)

<223> 3' terminal sequence. protein phosphatase 2  
(formerly 2a), regulatory subunit b (pr 52), gamma  
isoform (PPP2R2C) gene.

<400> 238

```
tacatgctca cccgggacta ccttacagtc tatggatggg acctgaacat ggaggcaaga 60
cccatagaga cctaccagggt ccatgactac cttcggaaga agctctgttc cctgtacgag 120
aacgaactgca ttttcgacaa gtttgaatgt gcttggaacg ggagcgacan tncatcatga 180
ccggggcccta caacaacttc ttccgcatgt tcgacgcgaa caccaagcgg gacgtgacct 240
tgggaggcct cgagggaag cagcaagccc cgggctgtgc tcaagccacg gcgcgtgtgc 300
gtgggggggc aagcgccggc gtgnatga ca tcagtgtggg acagcttggg acctcaccaa 360
gaagatcctg cacacggcct gccacccggc tgaggaaacat catttgccat tcgccgccac 420
caacaacctg ttacatcttt ccaggggcaa ggtaaatttt tgacattgca ttaggtattn 480
tgcaatttcc cggnccttgc caacca                                     507
```

<210> 239

<211> 521

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc\_feature

<222> (1)..(521)

<223> 5' terminal sequence. protein phosphatase 2  
(formerly 2a), regulatory subunit b (pr 52), gamma  
isoform (PPP2R2C) gene.

<400> 239

```
taaacagaca attactgcca aacacaattc tggcctagga aagcggggnn gggagggggc 60
cgaactctcc tgtgtccaca cactgccacc tctgcagctg tcctcatcag tgggtgtgact 120
ttcttccctc ccttgcattg cggtcgtgaa ggtcatgtcg gggatgactt gcataaggct 180
gggtggcagg gccccggaac tgcacatacc tagtgcatgt cagagtttac cttgtcctgg 240
aagatgtaca ggttgttggg ggcggcgatg gcaatgatgt tctcagccgg gtgccaggcc 300
gtgtgcagga tcttcttggg gaagtccaag ctgttccaaa atgatgtcat cagccggccc 360
cttgccccc acgnaaang nccnttgggt tnagcaaaag ccng ggtttg ttgcttttcc 420
ctnagnagcn tncagnttca agtnccnttt ggtnttncce gatcgaacat ncggaagaat 480
tttttttagg cccccntcat gatgaacgtg tncgttccct t                                     521
```

<210> 240

<211> 350

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc\_feature

<222> (1)..(350)  
 <223> 3' terminal sequence. thrombospondin 3  
 (THBS3) gene.

<400> 240  
 cagattcatt nnnnganntg cctgtgacaa ttgccccaac gttcccaaca atgaccagaa 60  
 ggacacagat ggcaatgggg aaggagatgc ctgtgacaac gac gtggatg gggatgggtc 120  
 aggcctgggg ctgaagggggt ggctggggga cctgtgagaa tttggatcag gtgggatga 180  
 agcagggaag ctaggaaagtc tctgtgaaat agggaggcag gcttntggac gttggcctgg 240  
 gtgaggagag attacctgca gcagatgtca ataggaatnt gaggtaggcg gtagtnttag 300  
 gcagagtgtg gactagaggg t nagacaaga aacaggcaga tttcctgggc 350

<210> 241  
 <211> 2871  
 <212> DNA/RNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:primer

<220>  
 <221> misc\_feature  
 <222> (1)..(2871)  
 <223> thrombospondin 3 (THBS3) gene.

<400> 241  
 atggagacgc aggaacttgc gggggccctg gctcttctcc tcttttgcct ttccacatct 60  
 ggcagtcagg atctgcagggt aattgacctg ctgactgtgg gcgagtcctc gcagatggta 120  
 gctgtggcag agaagatcgc gacagccttg ctcaactgctg gggacatcta cctcttatcc 180  
 accttcgcgc tgccccccaa gcagggtggt gtccctcttt g cctctatcc tcgccaagac 240  
 aacactcgat ggtctggaggc ctctgttgta ggcaagatca acaaaagtact ggtgcgcatc 300  
 cagcggggagg atggcaaaagt ccacgcctgc aacctacagc aagcgggcct ggctgatggg 360  
 cgacacacac cagttctcct gcgactccga ggtccctcca gaccagcccc tgccctacat 420  
 ctctacgtgg actgcaaaact ggttgaccac catgcaggcc ttccagcact gggcccccatt 480  
 ctccacgcgg aggtcgatgg gctggagatt aggactggac agaaggcgta tttgaggatg 540  
 cagggtcttg tggaaatctat gaaaattatt ctgggtgggt ccatggcccg ggtaggagcc 600  
 ctgagtgaat gtccattcca aggggacgag tccatccaca gtgcagtgac caatgcactg 6 60  
 cactccattc taggggagca gaccaaggcg ctggtcacc aactaccctc ctccaaccag 720  
 atcctgggtg agctgcggga tgataacga gaccaggtaa aggaatgtc cctgatccga 780  
 aacacattta tggagtgtca ggtgtgcggc ttccatgagc agcgttccca ctgcagcccc 840  
 aatccctgtg tccgaggtgt ggaactgatg gaagtgtacg agtaccacag ctaccgctgt 900  
 gggccctgccc cccctgcctc gcaggggcac gccacccact gcagtgacat caatgagtg 960  
 gctcacgctg acccctgttt cccgggctcc agctgcacaa acaccatgcc cggcttccac 1020  
 tgtgagggct gtccctcgagg gtacaagggc acacaggtgt ctggtgtggg cattgactat 1080  
 gcccgggcca gcaaac aggt ctgcaatgac atcgatgaat gcaacgatgg caacaatggt 1140  
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 cgcctcggtt tcttgggcaa ccagagccag ggctgcctcc cagcccgagc ctgccacagc 1260  
 ccagcccaaca gcccttgcca catccatgct cactgtctct ttgaacgcaa tgggtg cagt 1320  
 tcttgcagat gtaacgtggg ctgggctggg atgtgggaac gttgtgggac ttgacagagc 1380  
 atcgatggct acccagacaa agcaactgcc tgcattggaca acaacaacaa ctgcaaacag 1440  
 gacaactgcc ttttgacacc caactctggg caggaaagatg ctgataatga tgggtggggg 1500  
 gaccagtgtg atgatgggat tgaatgggat gggatcaaga atgttgagga caactgcccg 1560  
 ctgttcccca acaaaagacca gcgaactca gatacagatt catttggtga tgccctgtgac 1620  
 aattgcccac acgttcccaa caatgaccag aaggacacag atggcaatgg tgaacagagc 1680  
 gccctgtgac acgaactgga tggggatggc atccccaatg gattggacaa ttgccctaaa 1740  
 tgccccaaac cactacagac agacagggat gaggcggggg tgggagatgc ttgcgacagc 1800  
 gtcccgtgaa tgaagcaatcc taccagacga gcgactggtt gggggatgctg 1860  
 tgtgatacta atgaagacag cgaatgggat gggeatcagg acaccaagga caactgccca 1920  
 cagctgccaa atagctccca ctgggactct gataacgatg gac ttggaga tgaagtgtgat 1980  
 ggggatgatg acaatgatgg catcccatg tatgtgcctc ctgtgtccga taactgccgc 2040

158/292

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ctggtaccaca atcccaatca gaaggactca gatggcaatg gcgttggtga tgtgtgtgag 2100
gatgaactttg acaatgatgc tgtggtcgac cccctggatg tgtgtcctga aagtgcagag 2160
gtaacgcttta cggatttt cg ggcctatcag accgtcgtec tggatcctga ggggtgatgct 2220
cagattgacc caaactgggt tgtgtctcaac cagggcatgg aaatcgttca gaccatgaac 2280
agtgaacctg gcttggcagt tggatacacg gccttcaatg gtgtggactt tgaaggcacc 2340
ttccatgtga acacagtgac tgatgatgac tacgcaggct ttctcttcag ttatcaa gac 2400
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cccttccggg cggttgccca gcccgggctg cagctcaagg cagtgcacac agtgtctggc 2520
ccagggtgagc acctccgaaa tgcctctgtg catactggcc acaccctcta tcaggtagca 2580
ctcctgtgga cagaccacag aaatgtggg t ggcgggaca agacctcta tcgctggcag 2640
cttctgcacc ggcctcaagt tggctacatt cgggtgaagc tctatagagg accccagett 2700
gtggcggtat ctggggtgat cattgacaca tccatgcgag gggggcgctc ttgtgtattc 2760
tgcttctccc aagaaaacat aatttggtc aatctccagt atcgatgcaa tgacacagt 2820
cctgaggact ttgagccatt ccggaggcag ctgctccagg gaagggtgtg a 2871

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&lt;210&gt; 242

&lt;211&gt; 509

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(509)

<223> 3' terminal sequence. actin, gamma 1 (ACTG1)  
gene.

&lt;400&gt; 242

```

cacttttatt ttnccttaca caatgacgtg ttgctggggc ctaatgtntc cacataacag 60
tagaaaaacca aaatttgttg tcatctcttc aaagantcga gantttgcgt caaaaaaac 120
cttacataaan ttaagantga ntacatttac aggcgtaaat gcaaacognr tccaactcaa 180
agcaagttaac agccccaggt gttctggcca aagacatcag ctaagaaaag aaactggggn 240
ctcaggctt gggactttcc aaccctggac aggaccgcga agncaaaaac aactgggttc 300
ttgccagcct ctaggaggaa ttcccggaac actcaggccc tggacangtt taataccagg 360
ggggancagt taactttcan tacaggggnc aaaatcaggc aacagttt tt accantccag 420
tggctggttt cnggttacag gtttcagggt cattttnttt tcggagggggt tnttccggt 480
tcgtgagggt aggctgaggg tttntgctt 509

```

&lt;210&gt; 243

&lt;211&gt; 393

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial S equence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(393)

<223> 5' terminal sequence. actin, gamma 1 (ACTG1)  
gene.

&lt;400&gt; 243

```

gatcacgcc ctggcccccag cacoatgaag atcaagatca tcgcaccccc agagcgcaag 60
tactcgggtg ggatcggttg ctccatcctg gctcactgt ccacctccc a gcagatgtgg 120
attagaacgc aggaagtacga cgatcgggac cctccatcg tccaccgcaa atgcttctaa 180
acggactcag cagatgcgta gatittgctg catgggttaa ttgagaatag aaatttggccc 240

```

```

ctgggaaatt gcacacacct catgctagcc tcacgaaact gggaataagc ctttcgaaaa 300
gaaattgtcc ttgaagcttg tatctgg tat cagcaactggg ntgttaggaa nttgttgctg 360
atttttgacc ttgtanttga agtttaactg ttt 393

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&lt;210&gt; 244

&lt;211&gt; 1919

&lt;212&gt; DNA/RNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(1919)

&lt;223&gt; actin, gamma 1 (ACTG1) gene.

&lt;400&gt; 244

```

gtctcagtcg ccgctgccag ctctcgcact ctgttcttcc gccgctccgc cgtcgcgttt 60
ctctgccggt cgcaatggaa gaagagatcg ccgcgctggt cattgacaat ggctccggca 120
tgtgcaaaagc tggttttgct ggggacgacg ctccccgagc cgtgtttcc t tccatcgctg 180
ggcgccccag acaccagggc gtcattggtg gcatggggca gaaggactcc tacgtggggc 240
acgaggccca gagcaagcgt ggcattcctga ccctgaagta ccccatgag catggcatcg 300
tcaccaactg ggaagacatg gagaagatct ggcaccacac cttctacaac gagctgcgcg 360
tgcccccgga ggagcaccga gtgctgc tga ccgaggcccc cctgaacccc aaggccaaca 420
gagagaagat gactcagatt atgtttgaga ccttcaacac ccgggccatg tacgtggcca 480
tcacggccgt gctgtccctc tacgcctctg ggcgaccac tgccattgtc atggactctg 540
gagacggggg cacccacacg gtgccccatc acgaggggta cgccctcccc cagcccatcc 600
tgcgctctga cctggctggc cgggaacctg cagactacct catgaagatc ctcactgagc 660
gaggctacag cttcaccacc acggcccgagc gggaatatcg gcgcgacatc aaggagaagc 720
tgtgtcactg cgcctcgagc ttcgagcagg agatggccac cgccgcatcc tctctctctc 780
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ccctggcaaa tgacacacac tcatgttagc ctacgaaac tggaataaag cttcgaaaag 1320
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ttgacttgct attgaagtta actgttcccc ttggtatttg tttaatccoc ttacatatac 1440
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tttgtgaaaga caagctctgt gcttggtgag tctgtgtggc cagcagcttc tgactctgtc 1560
agggtattaa cgtgtcaggg ctgagtgttc ttggatttct cttagggctg gcaagaacca 1620
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cggtttgcat ttacgcctgt aaatgtattc attcttaatt tatgtaagg tttttttgta 1800
cgcaattctc gattctttga agagatgaca acaaattttg gttttctact gttatgtgag 1860
aacattaggc ccaggaacaa cgtcattgtg taaggaaaaa taaagtgct gc ccgtaacc 1919

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&lt;210&gt; 245

&lt;211&gt; 467

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

```

<220>
<221> misc_feature
<222> (1)..(467)
<223> 3' terminal sequence. integrin, alpha 6
      (ITGA6) gene.

<400> 245
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caacttncaac ttggacactc gggaggacaa cgtgatccgg aaatatggag accccgggag 120
cctcttcggc ttctcgtcgt ccatgcactg gcaactgcag cccgaggaca agcggctgtt 180
gtctgtgggg gccccgcggg agnaagcgtt tccactgcag agagccaac a gaacgggagg 240
gtgtacagc ttgcgacatc acgcgccggg ggccatgcac ggggatcgag tttnataacg 300
atgcttgacc ccacgtcaga aagcaaggaa gattagttag atnnggggtc aacgtccaga 360
gccaaagtgc agggggcgaag gtcgtgacat gtgttnacc tattgaaaaa aggcagcatt 420
ttattacgna gcangatttc cgagaca ttt ttgggcgttt tttttccc 467

<210> 246
<211> 473
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:primer

<220>
<221> misc_feature
<222> (1)..(473)
<223> 5' terminal sequence. integrin, alpha 6
      (ITGA6) gene.

<400> 246
gcctctcccc atccatatcg tcttcaatcc tgagattctg actcaggaca naacaccgcc 60
caaaagatgc tcgggattcc tgcttcgtat taacatgctg ccttttttca tatcggtgag 120
cacatgtcac gaccttgccc cctggacctt ggctctggac ggtgaccccc atccactgat 180
cttccttgcgt ttctgacgtg gggtc agcat cgttatcaaa ctcgatccgc gtgcattggc 240
ccccggcggtt ggatgtgcga gctgtacagc cctcccggtc tgttggtctc ctgcagtggg 300
aagcgcttct gccccgcggg cccccacgga gcaacagccg cttgtcctcg ggctgcagtt 360
gccagtgcac gggccagcga gaaagccgaa gaggttcccc ggggtnttcc atattttccg 420
gatcaagttg ttctnccga gttttccaag tttgaagggt tgcgcaaggc cgt 473

<210> 247
<211> 5611
<212> DNA/RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:primer

<220>
<221> misc_feature
<222> (1)..(5611)
<223> integrin, alpha 6 (ITGA6) gene.

<400> 247
gdcgacccgt cccgggggtg gggccggggc cagcggcgag agggaggcga ggtggctgcg 60
gtagcagcag cgcggcagcc tcggaccag cccggagcgc agggcggcg ctgcaggctc 120
ccgctccctt ccccgctgct cgcgccatgg ccgcccggcg gcagctgtgc ttgctctacc 180
tgtcggcggg gctcctgtcc cg gctcggcg cagccttcaa cttggacact cgggaggaca 240
acgtgatccg gaaatatgga gaccccgga gctcttcgg cttctcgtgc gccatgcact 300

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ggcaactgca gcccgaggac aagcggctgt tgctcgtggg ggccccgcgc ggagaagcgc 360  
 ttccactgca gagagccaac agaacgggag gctgtgtacag ctgcgacatc accgcccggg 420  
 ggccatgcac gccgatcgag ttgtataacg atgctgaccc cactgcagaa agcaaggaag 480  
 atcagtggtat ggggggcacc gtccagagcc aaggtccagg gggcaaggct gtgacatgtg 540  
 ctccaccgata tgaaaaaggc cagcatgtta atacgaagca ggaatcccga gacatctttg 600  
 ggcgggtgtta tgcctcgtgt cagaatctca ggattgaaga cg atatggat gggggagatt 660  
 ggagcttttg tgatggcgca ttgagaggcc atgagaaatt tggctctttg ccgcaagggtg 720  
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 actggaaagg gattgttcgt gttagagcaaa agaataacac tttttttgac atgaacatct 840  
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 tgaagagaga catgaagtct gcacatctcc tccctgagca catattcgat ggagaaggctc 1 080  
 tggcctcttc atttggctat gatgtggcgg tgggtggacct caacaaggat ggggtggcaag 1140  
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 ttggttccct ctacagattca gtaactatttt ctgactcccg gctgtgatt aatattcaga 1560  
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 atatcagaga taaactgcgt cccattccca taactgcctc agtggagatc caagagccaa 1920  
 gctctcgtag gcgagtgaat tcac ttccag aagttcttcc aattctgaat ctgagatgaac 1980  
 ccaagacagc tcatattgat gttcacttct taaaagaggv atgtggagac gacatgtgat 2040  
 gtaacagcaa ccttaaaact gaataataat ttgtcaccgc agaaggaaat caagacaaat 2100  
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 catatagaga actgagtgat ttccctgaga aacagttgag ttgtgttgcc aacagagatg 2340  
 gctcgcaagc tgaactgtgag ctccgaaatc cttttaaa ag aaattcaaat gtcacttttt 2400  
 atttggtttt aagtcaact gaagtcaact ttgacacccc atatctggat ttaattctga 2460  
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 ttaattgaac gcttttatcg gtctcgggag ttgctaaacc ttcccagggt tattttggag 2580  
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 aatccaaagg attgaaaag gtaacttgtg agccacaaaa ggagataaac t ccoctgaacc 2820  
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cgtaacacag cattgtatat gtgaagcaaa ctctaaaatt ataaatgaca acctgaatta 5580
tctatttcac caaaaaaaa aaaaaaaaaa a 5611

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&lt;210&gt; 248

&lt;211&gt; 406

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; {1}..(406)

<223> 3' terminal sequence. rad9 (s. pombe)  
homolog (RAD9) gene.

&lt;400&gt; 248

```

cctttattca agagaccaga tgggttgccc caggatccgg ctgccagacc ctgaggccaa 60
gcacgnttgg agaccacagn acctgggcct gcctttgccc tgagctgcag cctcggcccc 120
aggatcctgn tcacagntca cgcgaggnta gngncaggaa gcagccctgg gggantggaa 180
cgnctctatt gattcattaa aaaaagaaaa gaaaaa taca ccaagggttc atntcccccg 240
tgacaggtgg gcctnagggy tcggggttnac cccccccag natggcagca tgattntnt 300
acaatcaatc catcatntgg ggcacaggtt ggitttcggg ggctattnt tggccttggc 360
gaaattncgg gntggggtta tgggtnngcc tccagggtta aggccaa 406

```

&lt;210&gt; 249

&lt;211&gt; 2102

&lt;212&gt; DNA/RNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

<220>  
 <221> misc\_feature  
 <222> (1)..(2102)  
 <223> rad9 (s. pombe) homolog (RAD9) gene.

<400> 249  
 ggcgcggaag ggaccccgga cccggaggct gcggagagct gggcagtggt ggccgctggc 60  
 ggagcgctgg ggacagcatga agtgccctggt cagggggggc aacgtgaagg tgctcggcaa 120  
 ggccgctcac tcctctgtccc gcacgcggga cgagctctac ctggaacctt tggaggacgg 180  
 gctctccctc cggaacggtga actcctcccg ctctgcctat gacctgcttc tctttgcccc 240  
 gctctcttcc cagcaatacc aggcagcca c ccttggtcag gacctgctgc gctgtaagg 300  
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 aaaatgctgc atctccctga atggccggag cagccgctgc gtgtgccagc tgcattgcaa 420  
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 cttcgaccca gccctgtgac cccacatgct ccgcgcccc gcacggggttc tgggggaggg 540  
 tgttctcccc ttctctcctg cactggctga agtgacgctg ggcattggcc gtggcccgag 600  
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 tcttagcatt catctttgat ctccaggcag gcccgccatc ttcaccatca aggactcttt 840  
 gctggagcgc cactttgtct tggccacact ctacacacc gactcgcact cccaggacct 900  
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 gttctacact ctattttctc attgagcctc aggcctatct ccagctggcc aaggctggaa 1560  
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 gacggaggcc atggcgagaa tccagctttg acctttatcc aagagaccag atggggtgcc 1920  
 ccaggatccg gctgccagcc ctgaggccaa gcacggctgg agaccacga cctggcctgc 1980  
 cgttgccctg agctgcagcc tcggccccag gatcctgctc acagtccacg caggtgcagg 2040  
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 at 2102

<210> 250  
 <211> 365  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:primer

<220>  
 <221> misc\_feature  
 <222> (1)..(365)  
 <223> 3' terminal sequence. activating  
 transcription factor 3 (ATF3) gene.

<400> 250  
 tccaatattt attattctga caggtttaga atactaggat aaataagtaa tatttntctc 60



```

tacagaaaaa tgtaatgata ccattgagta caattaaaca ctctgagaat ttcacagaaa 120
catcagaatt ttaatagaca gtagccagcg tccttgtggc cagtgtagt gacttctcac 180
agctgcaaac accctgggcc agatttctta aaacagctac atgacaaaaa caatgctatt 240
gacatccaat aatgctaaag cctgggtacc acccgggtcc cactgactgt ggn ttccaaa 300
catctctcca ctgactgtgg ntttcaacn caaggnaagg gaaatgggat attccttggg 360
ctctt
365

```

&lt;210&gt; 251

&lt;211&gt; 453

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(453)

&lt;223&gt; 5' terminal sequence. activating transcription factor 3 (ATF3) gene.

&lt;400&gt; 251

```

cgtggctacc attgtcactc gtaggggatg tggagtgaga acagcattta gtgaagttgt 60
gcaacggcca gggttgtgct ttctagcaaa tatgctgt ta tgtccagaaa ttgtgtgtgc 120
aagaaaaacta ggcaatgtac tttccgatg tttgtgtcac acaacactga tgtgactttt 180
atatgctttt tctcagatct ggtttctaag agttttggcg cgggcggggc tgtcaccacg 240
tgcatatct caagatatct aggtgggcca gaagagcttg tcagcaagag ggaggggacg 300
aattctccca ggcgtt aaca caaaatccat ggggcagtat ggatgggcag gtccntctgt 360
tggcaaaact agttcccaag tcacagggaa gganaggcag gaaagtttca actttcccaa 420
agggtttagg ggcctttcca cttcaatgtc tta
453

```

&lt;210&gt; 252

&lt;211&gt; 2056

&lt;212&gt; DNA/RNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(2056)

&lt;223&gt; activating transcription factor 3 (ATF3) gene.

&lt;400&gt; 252

```

gcagccagcg gcgcactgca cagctctctt ctctgcgcgc cgcccgagcg cacccttcag 60
cccgcgcgcc ggcgctgagt cctcgggtgct cgcccgccgg ccagacaaac agcccgcgcc 120
acccgctccc gaccctggcc gccccgagcg gagcctggag caaaatgatg cttcaacacc 180
caggccaggt ctctgcctcg gaagttagtg cttctgccat cgtccctcgc ctgtcccttc 240
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ctctcccatc tcccatcttc ctctgcgcgc ttgatgagcc ccggtgtgtc ccaggagtgc 660
gagaagctgg aaagtgtgaa tgctgaactg aaggctcaga ttgaggagct caagaacgag 720
aagcagcatt tgaatacatc gctcaacctt catcggccca cgtgtattgt ccgggctcag 780

```

165/292

```

aatgggagga  ctccagaaga  tgagagaaac  ctctttatcc  aacagataaa  agaaggaaca  840
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ttatacccaa  aacctcgaag  ccattggaga  gtgtctctcc  tgtgtacctc  tagaa  tccca  960
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aaatatgtg  gtaaaa

```

&lt;210&gt; 253

&lt;211&gt; 502

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(502)

<223> 3' terminal sequence. v-akt murine thymoma  
viral oncogene homolog 2 (AKT2) gene.

&lt;400&gt; 253

```

acatcatctc  gtacatgacc  acaccagcc  cantacnntt  tccacggccc  ggccatagtc  60
attgtcctcc  agcacctcag  ggcacaggt  ctccggggtc  ccacagaagg  ttttcatggt  120
ggcccgcgtc  ctgatgccct  ctttcagag  gccaaagtca  gtgatcttga  tgtggccatc  180
tttgtccagc  atgaggtttt  ccagcttgat  gtgcgggtat  accacgtccc  gcgagtgcaa  240
gtactcaaga  gccgagacaa  tctctgcacc  ataaaaccgg  gcccgctcct  ctgtgaagac  300
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aggcacaggg  cgggtcgtg  ggtctgggaa  gggcattant  ttcaggcgcc  agttgaggga  420
acggggttgc  nggggtgttt  ctgggaggga  cccggttttt  cggttgattn  ttttgaggcg  480
attttcatcc  nttgggcaat  tt

```

&lt;210&gt; 254

&lt;211&gt; 1715

&lt;212&gt; DNA/RNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(1715)

<223> v-akt murine thymoma viral oncogene homolog  
2 (AKT2) gene.

```

<400> 254
gaattccaagc ggcggcgccg ttgccgctgc cgggaaacac aaggaaaggg aaccagcgc a 60
cgcgtggcgat gggcgggggg agagcccccgc cggagaggct gggcggtctgc cgggtgacaga 120
ctgtgcccctg tccacgggtgc ctctctgcattg tctgtgctgcc ctgagctgttc ccgagctagg 180
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ctgccatcac cgtgggtgg ttttttacc ctgcc 1715

```

<210> 255

<211> 431

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc\_feature

<222> (1)..(431)

<223> 5' terminal sequence. s100 calcium -binding  
protein, beta (neural) (S100B) gene.

<400> 255

```

gagaggatgt ctgagctgga gaaggccatg gtggcctcat cgagcttttc caccaatatt 60
ctggaaggga gggagacaag cacaagctga agaaatccga actcaaggag ctcatcaaca 120
atgagctttc ccatttctta gaggaaatca aagagcagga ggttgtggac aaagtcatgg 180
aaacactgga caatgatgga gacggcgaat gtgacttcca gggaaattcat ggcttttgtt 240
gccatggtta ctactgcctg ccacgagttc ttggaacat g agtnagatta ggaagcagc 300
caaacctttt cctgtttaca gaggacggtt catggcaaga nagcaggac aggcaagggg 360
tttgaggct tagttaggga gcttgagggt tttccagccg tntttnttg gtaatttag 420
ggaagggttg a 431

```

<210> 256

<211> 1095  
 <212> DNA/RNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:primer

<220>  
 <221> misc\_feature  
 <222> (1)..(1095)  
 <223> s100 calcium-binding protein, beta (neural)  
 (S100B) gene.

<400> 256  
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 acaaggaaga ggaagtctga gctggagaag gccatggttg cctcatcgca cggtttccac 120  
 caatattctg gaaggggagg agacaagcac aagctgaaga aatccgaact caaggagctc 180  
 atcaacaatg agctttccca tttcttagag gaaatcaaag agcaggagggt tgtggacaaa 240  
 gtcatggaaa cactggacaa tgatggagac ggcgaatgtg acttccagga attcatggcc 300  
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 accctaaccg ggagggaacc ctgact acag aaattacccc gggggaccct taaactctcc 720  
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<210> 257  
 <211> 542  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:primer

<220>  
 <221> misc\_feature  
 <222> (1)..(542)  
 <223> 3' terminal sequence. atp-binding cassette,  
 sub-family b (mdr/tap), member 1 (ABCB1) gene.

<400> 257  
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 accttgaata aatgtcatat ctaaacaaaat attaaaaagt atttaacatc tcatacagtc 240  
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 attaaagtct cattctggat ggtggacagg cggtagacaa tcacaatgca ggtgcggcct 420  
 tctctggcta tgccagggct tcttggacaa ccttttcacc tactgtatcc agagctgacg 480  
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 tt 542

<210> 258  
 <211> 4643  
 <212> DNA/RNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:primer

<220>  
 <221> misc\_feature  
 <222> (1)..(4643)  
 <223> atp-binding cassette, sub-family b  
 (mdr/tap), member 1 (ABCB1) gene.

<400> 258  
 cctactctat tcagatatcc tcacagatt cc taaagattag agatcatttc tcattctcct 60  
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 tcctctcgga aattcaacct gtttcgcagt ttctcgagga atcagcattc agtcaatccg 180  
 ggccgggagc agtcatctgt ggtgaggctg attggtctgg caggaaacagc gccggggcgt 240  
 gggtcgagca cagcgcttcg ctctctttgc cacaggaagc ctgagctcat tcgagtagcg 300  
 gctcttccaa gctcaaaaga gcagaggccg ctggtcgttt cctttaggtc ttccactaa 360  
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 cgggatggat cttgaagggg accgcaatgg aggagcaaa aagaagaac t tttttaacct 480  
 gaacaataaa agtgaaaaaa ataagaagga aagaaaaacca actgtcagtg tattttcaat 540  
 gtttcgctat tcaaatgtgc ttgacaagtt gtatatgggt gtgggaactt tggctgccat 600  
 catccatggg gctggacttc ctctcatgat gctggtggtt ggagaaatga cagatatctt 660  
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 aagaattgat gatcctgaaa caaaacgaca gaatagttaac tttgtttac 2700

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taataaaact aaactttcat gttg 4643

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&lt;210&gt; 259

&lt;211&gt; 486

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(486)

<223> 3' terminal sequence. selectin e  
(endothelial adhesion molecule 1) (SELE) gene.

&lt;400&gt; 259

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aaaattataa aatattttaa gttataattt aaaattctca ataaaactca aacacaaacc 1 20
aacactggta ttacacacag taattttctaa tgcagtttac ataaattatt acaacactta 180
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atcacatctc tgttttgact gttgggcttt ggttggttgc cagtgtttcg gccaggaact 360
tctctgggaa actttttttt tcaacactgg ctagggtang gggngttag gggggnggt 420
ttggtttcnc cacantccct cagggtnggg ggcgggtng ggnnattacc ggcgggggt 480
tttttc 486

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<210> 260  
 <211> 478  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:primer

<220>  
 <221> misc\_feature  
 <222> (1)..(478)  
 <223> 5' terminal sequence. selectin e  
 (endothelial adhesion molecule 1) (SELE) gene.

<400> 260  
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 tctcaggatc aagaaagtgt tggctaata agggaaggga tattttcttc caagcaaaagg 180  
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 aaaaattcttg cacagaaaca caatattttg tggctttctt tctttttgcc ttccacagtgt 300  
 ttgcgacagt gattacacag ttccgtgcat aaggaatgaa taattaatta tccagagttt 360  
 agaggaaaaa aatgactaaa aatattatta acttaaaaaa tggacaggtg ttggatgccc 420  
 acaggcaaat gcattggggg gttgtttaat gggt gcaaat cctacttga atgtcttt 478

<210> 261  
 <211> 3834  
 <212> DNA/RNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:primer  
 <220>  
 <221> misc\_feature  
 <222> (1)..(3834)  
 <223> selectin e (endothelial adhesion molecule 1)  
 (SELE) gene.

<400> 261  
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 ttgcttcaca gtttcttcca gctctcactt tgggtcttct catataaagg agtggagcct 180  
 ggtctttaca cacctccacg gaa gctatga cttatgatga ggccagtgtc tattgtcagc 240  
 aaagtacac acactcgtgt gcaattcaaa acaagaaga gattgagtac ctaaacctcca 300  
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171/292

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&lt;210&gt; 262

&lt;211&gt; 267

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;230&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(267)

&lt;223&gt; 3' terminal sequence. epidermal growth factor (beta-urogastrone) (EGF) gene.

&lt;400&gt; 262

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172/292

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aaaacaaatc aggcgaattta cttacaatct tgtaactgaa aatacatata aattctgtgc 120
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aagcctccctg tgtaaatatt taaaatanaa tgttttcatt caaatatttt aaaaaataag 240
natctaatact gaaaaaatca gttttcta                267

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&lt;210&gt; 263

&lt;211&gt; 383

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(383)

<223> 5' terminal sequence. protein kinase c  
substrate 80k-h (PRKCSH) gene.

&lt;400&gt; 263

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caaganattt cttttgactt tggccccaac ggnagttttg cttacctgta cagccagtg 240
tacgagctca ccaccaacga atacgtctac cgctctncc ccttcaagct tgmtnttcgna 300
gaaccacaaa ctcgggggct ctcccaccag ccttggcacc tgggggcttc atgggattgg 360
gccccgacca cnacaatttc agt                383

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&lt;210&gt; 264

&lt;211&gt; 2056

&lt;212&gt; DNA/RNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(2056)

<223> protein kinase c substrate 80k -h (PRKCSH)  
gene.

&lt;400&gt; 264

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cctcctcagt ggggacacac agacagacgc cacctcttct tacgaccgcg tctggggcgc 960

```

```

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```

&lt;210&gt; 265

&lt;211&gt; 379

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence :primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(379)

<223> 5' terminal sequence. diphtheria toxin  
receptor (heparin-binding epidermal growth  
factor-like growth factor) (DTR) gene.

&lt;400&gt; 265

```

ggttctgtga cccatctgta gtaatttatt gtctgtctac atttctgc ag atcttcctgtg 60
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cactctatga gttggacttc agtcttgctt aggcgatttt gtctaccatt tgtgttttga 180
aagcccaagg tgctgatgac aaagtgtaac agatatcagt gtctcccggt ctcctctccc 240
tgccaagtct cagaagaggt tgggctt cca tgctgttagc ttctctgtgc ctcaccccc 300
atggcccccag gccacacagc tggagactnc acttttccct tgtgtcaaga cattttctct 360
aactcctgnc attcttctg 379

```

&lt;210&gt; 266

&lt;211&gt; 2360

&lt;212&gt; DNA/RNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(2360)

<223> diphtheria toxin receptor (heparin-binding  
epidermal growth factor-like growth factor) (DTR)  
gene.

```

<400> 266
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ataaaaaaaa aaaaaaaaaa 2360

```

<210> 267

<211> 435

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: primer

<220>

<221> misc\_feature

<222> (1)..(435)

<223> 5' terminal sequence. integrin, beta 2  
(antigen cd18 (p95), lymphocyte  
function-associated antigen 1; macrophage antigen  
1 (mac-1) beta subunit) (ITGB2) gene.

<400> 267

```
aggagtgcgc cggtgcgcc taccctgtg gaaagtacat ctctgcgcc gagtgcctga 60
```

```

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ctacacgctg gagcagcagg acgggatgga ccgtacacct atcatgttg atgagagccg 240
agagtgtgtg gcagggccca acatcgcgcg catcgtcggg ggcaccctgg gcagcctcgc 300
tgctgacgtg cattctcctg ctggtcatct gggaaggctc tgatccacct gagcgacctc 360
cgggaagtac aggcgttttg agna ggagaa gctcaagtc cagtnngaac aatgattatt 420
ccctttttca agagc                                     435

```

&lt;210&gt; 268

&lt;211&gt; 2776

&lt;212&gt; DNA/RNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(2776)

<223> integrin, beta 2 (antigen cd18 (p95),  
lymphocyte function-associated antigen 1;  
macrophage antigen 1 (mac-1) beta subunit) (ITGB2)  
gene.

&lt;400&gt; 268

```

cagggcagac tggtagcaaa gccccacgc ccagccaggga gcaccgccgc ggact ccage 60
acaccggagg acatgctggg cctgcgcccc ccactgctcg cctgggtggg gctgctctcc 120
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176/292

```

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aaaataaaac ttcaat
2776

```

&lt;210&gt; 269

&lt;211&gt; 449

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(449)

<223> 5' terminal sequence. neogenin (chicken)  
homolog 1 (NEO1) gene.

&lt;400&gt; 269

```

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actgtcccag caagctctga accatccat tcactcagt aagacagcct ccacgtggac 240
tctagggaag ggaaccggcc tcctatgcca gtggttgctt ccagtgcctc t gaagtgcag 300
ggaaccaca aggtgtgttg gaaggattnc gagagtaggt attgaaccag ntgaggttga 360
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aacaggttga cgagctttta acggggggc
449

```

&lt;210&gt; 270

&lt;211&gt; 5297

&lt;212&gt; DNA/RNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(5297)

&lt;223&gt; neogenin (chicken) homolog 1 (NEO1) gene.

&lt;400&gt; 270

```

gggccgggcc gggtggggtt ggagcagcgg ccgccgggag ccgagcttgc agcgaggggac 60
cggtcgaggc gcgcgggagg gaaggaggca agggctccgc ggcctgtcgc cgctgccgt 120
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aagtcttgga acttaacctt tgaatacaag gaattgtaca gagtacgaga ggacagca ct 4620
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tgctctgta tattctgcag gactgggcac catgggccaa aatttttgtt ccagggaaga 4800
ggcgagaagt goaacctgca ttacactttg tg gtcaggcc gtgtctttgt gctgtgactg 4860
catcaacttt atggagtgtg gacattggca tttatgtaca attttatttg tgtcttattt 4920
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caagtgtgtg acatttgact gcttgttcca attatgtatg gaaagtcttt gacagtggtg 5040
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gcacctctta ccagctgtta atccatcact ctgaggggga ggaaatgttg cattgtgttt 5160
tgtaagcttt ttttattatt tttttattat aattattaaa ggcctgactc tttcctctca 5220
tcactgtgag attacagatc tatttgaatt gaatgaaatg taacat tgaa aaaaaaaaaa 5280
aaaaaaaaa aaaaaaa

```

5297

&lt;210&gt; 271

&lt;211&gt; 389

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(389)

<223> 3' terminal sequence. pou domain, class 2,  
transcription factor 2 (POU2F2) gene.

&lt;400&gt; 271

```

cagggaattn ntcatnatg gaaaaagaca actgaatgcc ctcaactgaa tgtcttcac 60
ccctcttgcc tgaattttcc accttcccat aggcctggga gggagtcagt tccagagcag 120
aggagggtga cagggttg ag gagggacttg tgagagctag aacttgccaa aatggcctag 180
ccaccccttc aaaggggaaa agaggaggga acaggggatg aaaagtntc cgcagccttc 240
ccttgaaetc tccctctgct ggggaggggag gaggttaaa caagaccccc tgcccagggtg 300
gggagagctg ggggccaggg gagaagggga caaatggtag ggacacattc tgtttgagca 360
caatgctaaa aattctgtac atccctttg

```

389

&lt;210&gt; 272

&lt;211&gt; 2048

&lt;212&gt; DNA/RNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(2048)

<223> pou domain, class 2, transcription factor 2  
(POU2F2) gene.

&lt;400&gt; 272

179/292

```

cggtcaacatg agttggggcct ggggcagatg aggctggctg gcggggcggg cagcatgggt 60
cactccagca tgggggctcc agaaataaga atgtctaagc cctggaggcg cgagaagcaa 120
gggtctggaact ccccatcaga gcacacagac accgaaagaa atggacca ga cactaatcat 180
cagaaaccccc aaaaataagac ctccccattc tccgtgtccc caactggccc cagtacaaag 240
atcaaggctg aagacccccag tggcgattca gccccagcag cacccttgcc cctcagccg 300
gccacgcctc atctgccecca ggcccacact atgttgacgg gcagccagct agctggggac 360
atacagcagc tectccagct ccagca gctg gtgctgtgtc caggccacca cctccagcca 420
cctgctcagt tectgtacc gcaggcccag cagagccagc caggcctgct accgacacca 480
aatctatttc agctacctca gcaaacccag ggagctcttc tgacctccca gccccgggcc 540
gggcttccca cacagccccc caaatgcttg gagccaccat cccaccgccg ggagccagct 600
gatctggagg agctggagca attcgcccgc accttcaagc aacgccgat caagctgggc 660
ttcacgcggg gtgatgtggg cctggccatg ggcaagctct cggcaacga cttcagccag 720
acgaccattt cccgcttcga ggccctcaac ctgagcttca agaactgtg caaaactcaag 780
ccccctctgg agaagtggct caacgatgca gagactatgt ctgtgg actc aagcctgccc 840
agcccccaacc agctgagcag cccagcctg ggtttcgacg gcctgcccgg ccggagacgc 900
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cccccgccca ccaaccaacg cacaaccccc agccctcaag gcagccactc ggctatcggc 1380
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cctgttgacc tcgcgcgtct tcttgaatca tgtctggctg cccctgtcca gcaccccgcc 1560
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gacggcagca cagaccctcg gaggtccagg ggggcccag gcagggtcca aacctgagtg 1740
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aggaagaccg aaaaaacaaa ccaaaccaaa aaaaaaataa aactggaag aaactacca 1920
acaaaagaga aaaccaaaaa taatcacaa cgaacccagc tgccccaaag gaaccagag 1980
tgaaaaacaa acaaaaaaaa ccaaaaaaaa accaaaaaaa aaaaaaaacc tctacccct 2040
ctagagcc 2048

```

&lt;210&gt; 273

&lt;211&gt; 472

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(472)

<223> 3' terminal sequence. baculoviral iap  
repeat-containing 4 (BIRC4) gene.

&lt;400&gt; 273

```

ttttctatct ttccaccagc atggaaca at tgattccttt ttcacacaaa acaaatatg 60
tgattgggga gattaaactc aatctccaca ttatatata gaaagctcca ttgttaagc 120
ctatctgaaa agaataaaaa atccagatga ttaattcact tacacttaga aattaatac 180
gtatactatg aatacacatt gtgttcagtt atagtatgat gcttcttatt cttagtctat 240
ggtttcaatt aaataacagt aaaaaaaatg gataatacag ctaataccct gaaaaatac 300
gaaattcaaa gattattatg ccaactaaaa cactgccatt tacatttttt ttctacttg 360
gtagcaaatg ctaattggaat tcaatcctga ttacttaagc tcagtttaca ttacacattc 420
aatcagggta ataagaacaa cataacatgc ctacacataga gttagatta a ga 472

```



<210> 274  
 <211> 2540  
 <212> DNA/RNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:primer

<220>  
 <221> misc\_feature  
 <222> (1)..(2540)  
 <223> baculoviral iap repeat -containing 4 (BIRC4)  
 gene.

<400> 274  
 gaaaaggtgg acaagtctta ttttcaagag aagatgactt ttaacagttt tgaaggatct 60  
 aaactctgtg tacctgcaga catcaataag gaagaagaat ttgtagaaga gtttaataga 120  
 ttaaaaactt ttgctaattt tccaagtggt agtcctgttt cagcatcaac actggcacga 180  
 gcagggtttc ttatactggt tgaaggagat accgtgcggt gcttt agttg tcaatgcagct 240  
 gtgagtagat ggaatattgg agactcagca gttggaagac acaggaaagt atccccaaat 300  
 tgacagattta tcaacggctt ttatcttgaa aatagtgcca cgcagctcac aaattctggt 360  
 atccagaatg gtcagtacaa agttgaaaac tatctgggaa gcagagatca ttttgcttta 420  
 gcagagccat ctgagacaca tgc agactat cttttgagaa ctgggcaggt ttagatatata 480  
 tcagacacca tataccggag gaacctgtcc atgtattgtg aagaagctag attaaagtcc 540  
 tttcagaact gccacagata tgctcaccta accccaagag agttagcaag tgctggactc 600  
 tactacacag gtattgttga ccaagtcgag tgcttttgtt gtggttgaaa actgaaaaat 660  
 tgggaacctt ggtatcgtcg ctgtgcagaa cacaggcgac actttcctaa ttgctctttt 720  
 gttttggcgg gaaatcttaa tattcgaagt gaatctgatg ctgtgagttc ttagatggaat 780  
 ttcccaaatc caacaaatct tccaagaaat ccatccatgg cagattatga agcacggatc 840  
 ttactctttt ggacatggat atactcagtt aacaaggagc agc ttgcaag agctggattt 900  
 tatgctttag gtgaagtgga taaagtaag tgctttcact gtggaggagg gctactagct 960  
 tgggaagccca gtgaagaccc ttgggaacaa catgctaaat ggtatccagg gtgcaaatat 1020  
 ctgttgaac agaagggaca agaatatata aacaatatct atttaactca ttoactttag 1080  
 gagtgtcttg taagaactac tgagaaaaca ccatcatcaa ctagaagaat ttagatatacc 1140  
 atcttccaaa atcctatggt acaagaagct atacgaatgg gggttcagttt caaggacatt 1200  
 aagaaaaataa tggaggaaaa aattcagata tctgggagca actataaatc acttgagttt 1260  
 ctggtgtgcag atctagttaa tgctcagaaa gacagtagtc aagatgagtc aagtccagc t 1320  
 tcattacaga aagagattag tactgaagag cagctaaggc gctgcgaaga ggagaagctt 1380  
 tgcaaaatct gtaggatag aaatattgct atcgtttttg ttccctgttg acatctagtc 1440  
 acttgtaaac aatgtgtga agcagttgac aagtgctcca tgtgctacac agtcattact 1500  
 ttcaagcaaa aaatttttat gtcctaatct aac tctatag taggcattgt atgtgttctt 1560  
 tattaccctg attgaatgtg tgatgtgaac tgactttaag taatcaggat tgaattccat 1620  
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 atctttgaa ttcttgattt ttcagggtat tagctgtatt atccattttt ttaactgtta 1740  
 ttttaattga accatcagct aagaataaga agcatcatac tataactgaa cacaattgtt 1800  
 attcatagta tactgattta atttctaagt gtaagtgaat taatcatctg gattttttat 1860  
 tcttttcaga taggcttaac aaatggagct ttctgtatat aaatgtggag attagattga 1920  
 atctcccaaa tcacataatt tgttttgtgt gaiaaaggaa taattgt ttc catgtgtgtg 1980  
 gaaagataga gattgttttt agaggttggt tgttgttttt taggattctg tccattttct 2040  
 tgtaaaggga taacacagga cgtgtgcgaa atatgtttgt aaagtgaatt gccattgtt 2100  
 aaagcgtatt taatgataga atactatcga gccaacatgt actgacatgy aaagatgtca 2160  
 gagatatgtt aagtgtaaaa t gcaagtggt gggacactat gtatagttct agccagatca 2220  
 aagtatgtat gttgttaata tgcatagaac gagagatttt gaaagatata caccacactg 2280  
 ttaaatgtgt ttctctctcg gggagggggg gattggggga ggggccccag aggggtttta 2340  
 gagggcgctt ttcaactctcg acttttttca ttttgtctgt ttcggaattt ttataagtat 2400  
 gtacacctcg aagggtttta ttggaaactaa catcagtaac ctaacccccg tgactatcct 2460  
 gtgctcttcc tagggagctg tgtgttttcc caccacccac ccttccctct gaacaaatgc 2520  
 ctgagtgtcg gggcactttg 2540

181/292

<210> 275  
 <211> 842  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:primer

<220>  
 <221> misc\_feature  
 <222> (1)..(842)  
 <223> 3' terminal sequence. death associated  
 protein 3 (DAP3) gene.

```
<400> 275
tagaaagata ttttatttt taggaaaaa gccataatta tcttaaa tgt gaaaaaccac 60
atccaataaa ctgatataaa gttttaggaa caagggaata tcttattgtc acgcattcac 120
agtgaaaacc attttaatgc aggtccagag ccaactgcag tctgtgccaa tcccatagggt 180
acaagggcct ggctcctctt cctgtgtact gcccgacttc ctcatcttca tgggtccagc 240
ataaagcaga tgtccactgt ctctct caca tgctgtgatc ttggcttaga ggtaggcaca 300
gtgccgcctcc agcagcgagg ggttcgcgtt acttaggaac agcagctctt ttttcccttc 360
ttctgtaggc gctntctcat gttgaagcca attgttttcc aaataatact gaatacaact 420
ttcaaaattcc tttgggttat agttggaaac caggatggga ataaagggat ccagggcatc 480
aaatccttcc ttctccagca actcctgcgg cagataggct ttccgggggt taaagagaga 540
cccagctcgg ctacagagccg acacaatggc gcctccatgc caatcatnct tcatcatttt 600
cctcagttgt gaacaagtgc taattccctc ggggcaatcg ggtcttatct tctgttttca 660
gagggtttct ccccaangag cattgatgcc accacggcca cctatg ggtg aaacataccc 720
caatgaactt tgctctttag ctctttcagc acaatttcaa actgatctgg tgcgtccctc 780
aaacctgtta tgccctgtca aaccacttct cccagaagac tcccttttct aggcctttct 840
ct                                     842
```

<210> 276  
 <211> 1608  
 <212> DNA/RNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:primer

<220>  
 <221> misc\_feature  
 <222> (1)..(1608)  
 <223> death associated protein 3 (DAP3) gene.

```
<400> 276
gaattccgcc ggccccagcg agcgtgtgtc ggtgccttag gctggagaac tagtct cga 60
ctacagtgca aggatgatgc tgaaaggaat aacaaggctt atctctagga tccataagtt 120
ggacctgggg cgtttttttac acatggggac ccaggctcgc caaagcattg ctgctcacct 180
agataaccag gttccagttg agagtccgag agctatttcc cgcaccaatg agaatgacct 240
ggccaagcat ggggatcagc acgagggtca gcacta caac atctccccc aggttttga 300
gactgtattt ccccatggcc ttctctctcg ctttgtgatg cagggtgaaga cattcagtga 360
agcttgccctg atggttaagg aaccagccct agaacttctg cattacctga aaaacaccag 420
ttttgcttat ccagctatac gatattctct gtatggagag aagggaacag gaaaaacctt 480
aagttcttgc catgtttatc atttctgtgc aaaacaggac tggctgatac tacatattcc 540
agatgctcat cttgggtga aaaaattgtc ggatcttctg cagtcacgct acaacaacaa 600
gcgctttgat caacttttag aggcttcaac ggtgctgaag aatttcaaaa ctacaaatga 660
gcgcttctcg aaccagataa aagttcaaga gaagtatgtc tggaataaga gagaaa gcac 720
tgagaaaggg agtccctcgg gagaagtgtt tgaacagggc ataacacggg tgaggaaacg 780
cacagatgca gttggaattg tgctgaaaga gctaaaggag caaagttott tgggtatgtt 840
tcacctccta gtggccgtgg atggaatcaa tgctctttgg ggaagaacca cctctgaaa 900
```

```

agaagataaa agcccgattg cccccgagga atta gcaact gttcacaaact tgaggaaaaa 960
gatgaaaaat gattggcatg gaggcgccat tgtgtcggct ttgagccaga ctgggtctct 1020
ctttaagccc cggaagacct atctgcccca ggagttgctg ggaaggaag gatattgacg 1080
cctggatccc ttatttccca tctgtgttcc caactataac ccaaggaat ttgaaagtgt 1140
tattcagtat tatttggaaa acaattggct tcaacatgag aaagctccta cagaagaagg 1200
gaaaaaagag ctgctgttcc taagtaacgc gaacccctcg ctgctggagc ggcactgtgc 1260
ctacctctaa gccaaagtca cagcatgtga ggaagacagt ggacatctgc ttatgtctgg 1320
accagtaag atgaggaagt cgggcagtac acaggaagag gagccaggc c ctgtaccta 1380
tgggattgga caggactgca gttggtctcg gacctgcatt aaaatgggtt tcaactgtgaa 1440
tgcgtgacaa taagatattc cctgttctct aaaactttat atcagtttat tggatgtggt 1500
tttcacatt taagataatt atggctcttt tcctaaaaaa taaatatct ttctaaaaaa 1560
aaaaaaaaa aaaaaaaaaa aaa aaaaaaa aaaaaaaaaa aaaaaaa 1608

```

&lt;210&gt; 277

&lt;211&gt; 361

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(361)

<223> 5' terminal sequence. gonadotropin-releasing hormone 1 (leutinizing-releasing hormone) (GNRH1) gene.

&lt;400&gt; 277

```

ttagattgca tgctattgta tgtctacagg gcatttgaca gccaaggnt aaatccagg 60
ggagcgggtat ctaatgatgt cctgtccttc actgtccttg ccatcaccag ccacagagat 120
ccaggctttg gggactccca cagcttatcg accag tgttt gatttagttt ttagctcttt 180
tcccatcaaa tgaaaattaa cttggagaca catttcatta gaaaattaga gggcccttg 240
gctaggaagg catctggtct ggggactaac tactttgaac agtgttgagt cctctctccc 300
acagatggtt cagccagcag taatgctnag ggaagactga agggatcaaa taganaaatg 360
t

```

&lt;210&gt; 278

&lt;211&gt; 470

&lt;212&gt; DNA/RNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(470)

<223> gonadotropin-releasing hormone 1 (leutinizing-releasing hormone) (GNRH1) gene.

&lt;400&gt; 278

```

gggatctttt tggctctctg cctctaaaca gaatgaagcc aattcaaaaa ctctagctg 60
gccttattct actgacttgg tgogtggaag gctgctccag ccagcactgg tcctatggac 120
tgcgcccttg aggaagaga gatgccgaaa atttgattga ttctttcca a gagatagtca 180
aagaggttgg tcaactggca gaaacccaac gcttcgaatg caccacgcac cagccacgtt 240
ctccccctcg agacctgaaa ggagctcttg aaagtctgat tgaagaggaa actgggcaga 300
agaagattta aatccattgg gccagaagga atgaccatta ctaacatgac ttaagtataa 360
ttctgacatt gaaaatttat aacctat taa atacctgtaa atgggtatgaa ttccagaat 420

```

ccttacacca agttgcacat attccataat aaagtgtgtgt gttgtgaatg

470

<210> 279

<211> 320

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc\_feature

<222> (1)..(320)

<223> 3' terminal sequence. interleukin 2  
receptor, gamma (severe combined immunodeficiency)  
(IL2RG) gene.

<400> 279

ntctaataat caacagaaac tttatttctc atcggttcag gaacaatcgg agggtagatg 60  
gaaagaggaa gggagggaaa gagggaggga ggaagaatcc tgcgaaaagg aagggccaga 120  
ctgaggggaga agaaaaacat gttcggggca aaagggtaat tctcaagtgg ggaatgccaa 180  
atgaaggggt gcttacatgg gggcacaaaa ttccaaatca gccacagtgg ggtgaggtga 240  
gtatgagacg caggtggggt tgaatgaagg aaagttagta cnccttaggg ctacaggacc 300  
ctggggttct tctttcagag

<210> 280

<211> 407

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc\_feature

<222> (1)..(407)

<223> 5' terminal sequence. interleukin 2  
receptor, gamma (severe combined immunodeficiency)  
(IL2RG) gene.

<400> 280

attcggcaca gggaactttt cggcctggag tgggtgtgtct aagggactgg ctgagagtct 60  
gcagccagac tacagtgaac gactctgcct cgtcagtga attcccccaa aaggaggggc 120  
ccttggggag gggcctgggc tnccccatgc aaccagcata gccctactg gccccccca 180  
tgttacccc taaagcctga aacctgaacc ccantactct gacagaagaa cccaggggtc 240  
ctgtagccct aagtgggtact aacttttcct cattcaacct acctgcgtct tatactcanc 300  
tcancacca gttggtgat ttggatttt tgtggcccca tgtaaggaa cctttaattt 360  
ggcattnccc aattgagaat taaccttttt gncccgaaca tgttttt 407

<210> 281

<211> 1451

<212> DNA/RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<220>

<221> misc\_feature  
 <222> (1)..(1451)  
 <223> interleukin 2 receptor, gamma (severe  
 combined immunodeficiency) (IL2RG) gene.

<400> 281  
 gaagagcaag cgccatgttg aagccatcat taccattcac atccctctta ttctcgcagc 60  
 tgccctctgt gggagtgagg ctgaacacga caattctgac gcccaatggg aatgaagaca 120  
 ccacagctga ttcttctctg accactatgc ccactgactc cc tcagtggt tccactctgc 180  
 cctcctccaga ggttcagtggt ttgtgtgtca atgtcgagta catgaattgc acttggaaca 240  
 gcagctctga gccccagcct accaacctca ctctgcatta ttggtacaag aactcggata 300  
 atgataaagt ccagaagtgc agccactatc tattctctga agaaatcact tctgggtgtc 360  
 agttgcaaaa aaaggagatc cacctctacc aaacatttgt tgttcagctc caggaccacc 420  
 gggaaccocg gagacaggcc acacagatgc taaaactgca gaatctgggt atccctctggg 480  
 ctccagagaa cctaaccatt cacaaactga gtgaatccca gctagaactg aactggaaca 540  
 acagattctt gaaccactgt ttggagcact tgggtcgagta ccggactgac tgggaccaca 60 0  
 gctggactga acaatcagtg gattatagac ataagttctc ctggcctagt ttggatgggc 660  
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 tctctgttgc attggaagcc gtggttatct ctgttggctc catgggattg attatcagcc 840  
 ttctctgtgt gtatctctgg ctggaacgga cgatgccccc aattcccacc ctgaagaacc 900  
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 gacttgctga gagtctgcag ccagactaca gtgaacgact ctgcctcgct agtgagattc 1020  
 ccccaaaagg agggccctt tt ggggaggggc ctggggcctc ccgatgcaac cagcatagcc 1080  
 cctactgggc cccccactgt tacaccctaa agcctgaaac ctgaacccca atcctctgac 1140  
 agaagaaccc cagggtctctg tagccctaa ggtgactaac ttctctcat tcaaccacc 1200  
 tgcgtctcat actcacctca cccactgtg gctgatttgg aatttttgtc gcccatg taa 1260  
 gcaccccttc atttggcatt cccacttga gaattaccct tttgcccca acatgttttt 1320  
 ctctcccttc agtctggccc ttctttttcg caggattctt cctccctccc tctttccctc 1380  
 ccttctcttt tccacttacc ctccgattgt tcttgaaccc atgagaaata aagttttctg 1440  
 tgataatcat c 1451

<210> 282  
 <211> 317  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:primer

<220>  
 <221> misc\_feature  
 <222> (1)..(317)  
 <223> 3' terminal sequence. death associated  
 protein 3 (DAP3) gene.

<400> 282  
 atctaacaca acactttaga aagatatttt attttttagg aaaagagcca taattatctt 60  
 aatgtgaaaa aaccacatcc aataaactga tataaagttt taggnacaag ggaatatctt 120  
 attgtcacgc atttcacagt aaaccatttt taatgcaggt ccagagccaa ctgcagtctc 180  
 gtccaatccc atagggtaga agggcctggg ctctcttccc tgtgtactgc ccgacttctc 240  
 catcttaactg ggttcacgca taaagcagga tgtccactgt ctccctcaca tgcgtgtanc 300  
 ttggncttag gagtag 317

<210> 283  
 <211> 358  
 <212> DNA  
 <213> Artificial Sequence

185/292

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(358)

&lt;223&gt; 5' terminal sequence. death associated protein 3 (DAP3) gene.

&lt;400&gt; 283

```

aggacgggag ctttggagcc ggccccaggg agcgtgtgtc ggctgcctag totggagAAC 60
tagtcctcga ctcaactgca aggatgatgc tgaagaagaat aacaaggctt atctctagga 120
tccataagtt ggaccctggg cgtttttttac acatggggag ccaggctcgn caaagcattg 180
ctgtccacct agataaccca ggttcccgat tgagagtccc gagagctatt ttcccgcAAC 240
caatgagaat gaccccgggc caagcatggg ggaatcancaa ggagggtcaa gcaa tnaaa 300
canntttccc ccagggattt tgggagaatt gtaattttcc ccatnggcct ttncttcc 358

```

&lt;210&gt; 284

&lt;211&gt; 416

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(416)

&lt;223&gt; 5' terminal sequence. ptk2 protein tyrosine kinase 2 (PTK2) gene.

&lt;400&gt; 284

```

gcacagaagc tattgaactc tgacctgggt gagctcatca acaagatgaa actggcccag 60
cagtatgtca tgaccagcct ccagcaagag tacaaaaagc aaatgctgac tgctgctcac 120
gcctctggctg tggatgccaa aaacttactc gatgtcattg a ccaagcaag actgaaaaatg 180
cttggggcaga cgagaccaca ctgagcctcc cctaggagca cgtcttgcta cctcttttg 240
aagatgttct ctagccttcc accagcagcg agganttaac cctgtgtcct cagtcgcaca 300
gcacttacag ctccaacttt tttgaatgac catctgggtg aaaaatcttt ctcatataag 360
tttnaaccac atttggaatt ggggttcatt tttgttttg ttttttttc aatcat 416

```

&lt;210&gt; 285

&lt;211&gt; 3052

&lt;212&gt; DNA/RNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(3052)

&lt;223&gt; ptk2 protein tyrosine kinase 2 (PTK2) gene.

&lt;400&gt; 285

```

ccggtgtgaa ggccatgagt gattactggg ttgttggaag gaagtctaac tatgaagtat 60
tagaaaaaga tgttggttta aagcgatttt ttctctaagag tttactggat ttgtcaagg 120
ccaaaacact aagaaaaactg atccaacaaa catttagaca atttgccaac cttaatagag 180
aagaaagtat tctgaaatto ttgagat cc tgtctccagt ctacagattt gataaggaat 240
gcttcaagtg tgctcttggt tcaagctgga ttatttcagt ggaactggca atcgcccag 300

```

```

aagaaggaat cagttacctt acggacaagg gctgcaatcc cacacatctt gctgacttca 360
ctcaagtgca aaccattcag tattcaaacg gtgaagacaa ggacagaaaa ggaatgctac 420
aactaaaaat agcaggtgca cccagagctc tgacagtgac ggcaccatcc ctaaccattg 480
cggagaatat ggcgtgacct atagatgggt actgcccggct ggtgaatgga accctgcagt 540
cattttatct cagacctcag aaagaagggt aacgggcttt gccatcaata ccaaagttgg 600
ccaacagcga aaagcaaggc atcgggcacac acgcgctctc tgtgtcag aa acagatgatt 660
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atcaaggcat ttatatgagt ccagagaatc cagctttggc ggttgcaatt aaaaacatga 840
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ccaggaaatgc agagttaaca atcgctcagt ttgaccatcc tcatattgtg aagctgattg 1020
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tggaggactc tacagtattg gacctcgag ggaattggcca agtgttgcca acccatctga 1980
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ctagccttcc accgacagcg aggaattaac cctgtgtcct cagtcgccag cactcacagc 2760
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gatccaaaat gtggcggttt tctaagaatg aaaattatat gtaagctttt aagcatcatg 2940
aagaaccaatt tatgttca c ttaagatacg ttctaaagg ggaatggccaa ggggtgacat 3000
cttaattctt aaactacctt agctgcatag t ggaagagga gagcggaat tc 3052

```

&lt;210&gt; 286

&lt;211&gt; 377

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(377)

<223> 3' terminal sequence, cyclin dependent  
kinase 4 (CDK4) gene.

```

<400> 286
gnataaaaaa ggaccccaaa tataaaggna gggaaggga caagaggga cataccctt 60
agtgtagaga aatgggaagg agaaggagaa gcctcaaaag gaggtggag gggaatgtca 120
ttaaggcagc aaagtaatct ctgtagaaag atggaggagg accctccata gcctcagaga 180
taaaggcaaa gattgccttc tc agtgtcca gaaggggaaat gggcagcttt tcttcntcc 240
atgggcagcc actccattgc tcactccggn ttaccttcac cttatgtag gataagagtn 300
ctgcagagct tcgaaggggc agagattcgc ttgtgtggg ttaaaagta gcatttccan 360
cagcagcttt tgcttcc
377

```

```

<210> 287
<211> 363
<212> DNA
<213> Artificial Sequence

```

```

<220>
<223> Description of Artificial Sequence:primer

```

```

<220>
<221> misc_feature
<222> (1)..(363)
<223> 5' terminal sequence. cyclin-dependent
kinase 4 (CDK4) gene.

```

```

<400> 287
catatctgga caaggcacc ccaccaggct tgcagccgaa acgatcaagg atctgatgag 60
ccagtttcta agaggcctag atttccttca tgccaattgc atcggtcacc gagatctgaa 120
gccagagaac attctggtga caagtggtna aacagtcagg ctggctgact ttngcctggc 180
cagaatctac agctaccaga tggcacttac acccggtggt gttaacctct ggtacc gagg 240
tcccgaagtt ctctnagcag tccacatag caacacctgt gggacatgtg ggagtgttgg 300
ctgtatcttt gcagagatgt ttcgtcgaaa ncctctcttt ctgtggnaaa ctctgtaagg 360
ccg
363

```

```

<210> 288
<211> 1443
<212> DNA/RNA
<213> Artificial Sequence

```

```

<220>
<223> Description of Artificial Sequence:primer

```

```

<220>
<221> misc_feature
<222> (1)..(1443)
<223> cyclin-dependent kinase 4 (CDK4) gene.

```

```

<400> 288
gccctccag ttccgcgcg cctctttggc agctggtcac atggtgaggg tgggggtgag 60
ggggcctctc tagcttgccg cctgtgtcta tggtcgggcc ctctgcgtcc agctgctccg 120
gaccgagctc ggggtgatgg ggccgtagga accggctccg gggcccgat aacggggccg 180
ccccacagca ccccgggctg gcgtgagggt ctcccttgat ctgagaatgg ctacctctcg 240
atatgagcca gtggctgaaa ttggtgtcgg tgccctatgg acagtgt aca aggcccgta 300
tcccacaggt ggccactttg tggccctcaa gactgtgaga gtccccaatg gaggaggagg 360
tggaggaggc cttcccataca gcacagttcg tgaggtggct ttactgagg gactggaggc 420
ttttgagcat cccaatgttg tcgggctgat ggacgtctgt gccacatccc gaactgaccg 480
ggagatcaag gtaaccctgg tgttt gagca tgtagaccag gacctaaagg catacttggg 540
caaggcacc ccaccaggct tgccagccga aacgatcaag gatctgatgc gccagtttct 600
aagaggccta gatttccctc atgccaatg catcggtcac cgagatctga agccagagaa 660
cattctggtg acaagtgtgt gaacagtcga gctggctgac tttggcctgg ccagaatcta 720

```



188/292

```

cagctaccag atggcactta caccogtggt tgttacactc tggtagccgag ctcccggaagt 780
tctctcgcag tccacatagt caacacctgt ggacatgtgg agtggtggct gtatctttgc 840
agagatgttt cgtcgaaagc ctctctctcg tggaaactct gaagccgacc agttggggcaa 900
aatctttgac ctgattgggc tgctccaga ggaatgactgg cctcg agatg tatccctgcc 960
ccgtggagcc ttcccccca gagggccccg ccaagtgcag tcggtgtgtac ctgagatgga 1020
ggagtcggga gcaacagctgc tgctggaaat gctgactttt aaccacacaa agcgaaatctc 1080
tgcccttcga gctctgcagc actcttatct acataaggat gaaggtaatc cggagtgcgc 1140
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gcaatctttg cctttatctc tgaggctatg gagggctcctc ctccatcttt ctacagagat 1260
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ttccccatc tctacactaa ggggtatggt cctctctgtc cctttcccta cctttatatt 1380
tggggctcct ttttatacag gaaaaacaaa accaaaaagaa awaatggccc tttttttttt 1440
ttt 1443

```

&lt;210&gt; 289

&lt;211&gt; 394

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(394)

&lt;223&gt; 3' terminal sequence. basic transcription factor 3 (BTF3) gene.

&lt;400&gt; 289

```

cccgcgtgtg tgcgcctaan ctcagngngn ccacccgaga ccccttgagc accaaccccta 60
gtcccccgcg cggccctcna ttgcctccga caagatgaaa gaaaca atca tgaaccaggg 120
aaaactcgcc aaactcgagg cacaagtgcg cattggtggg aaaggaaactg ctgcgagaaa 180
gaagaagggtg gttcaatagaa cagccacagc agatgacaaa aaacttcagt tctccttaaa 240
gangttagggt gtaaacataa tctctggnat tgaagagggtg aatatgttta caaaccaggg 300
aacagtgtac cactttaaca accc tnaagt tcaggggatc tetggggcagc ggacactttc 360
accattacng gccttgcgtg gncaaaagcag ctgg 394

```

&lt;210&gt; 290

&lt;211&gt; 477

&lt;212&gt; DNA/RNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(477)

&lt;223&gt; basic transcription factor 3 (BTF3) gene.

&lt;400&gt; 290

```

atgcgacgga caggcgccac cgctcaggct gactctcggg ggcgagggtcg agccagggggc 60
ggctgccccg ggggcgaggg gacgctgtct caacctccac ctgcgcgggg aacccgagga 120
gaggagcctc agatgaaaag aacaatcatg aaccag gaaa aactcgccaa actgcaggca 180
caagtgcgca ttggtgggaa agtgaatatg ttacaaaacc aaggaaacagt gatccaattt 240
aacaacccta aagttcaggg atctctggca gcgaacacett tcaccattac agggccatgct 300
gagacaaaagc agctgacagca aatgctaccc agcatcttaa accagcttgg tcgggatagt 360
ctgactagtt taaggagact ggccgaagct ctgccaaaac aatctgtgga tggaaaagca 420
ccacttgcta ctggagagga tgatgatgat gaagttccag gaggcttcca agaataga 477

```

<210> 291  
 <211> 388  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:primer

<220>  
 <221> misc\_feature  
 <222> (1)..(388)  
 <223> 3' terminal sequence. colony stimulating  
 factor 1 receptor, formerly mcdonough feline  
 sarcoma viral (v-fms) oncogene homolog (CSF1R)  
 gene.

<400> 291  
 tgctgttagt ttaattgtgga cagagacatc ccacggcgtg actgttagt t aggatgagtc 60  
 agcttggggg agtttgtgct tcttgcttg ngtgccacg cacatgccaa ggtccccctgc 120  
 cttctagccc agaattgacgg gactgggcag aacaccccca acttttagct gccacttggc 180  
 tcattacagc agtaccagta tgggggtggg aggggtgagg cnttggagtg aaggcgcgct 240  
 atagggcaga gactaagagg gtccctgtg ag attcttagag gagccatcct gntccaagg 300  
 gctgagctg agntnnggtc tgtgagcatc tgctgctcct ctcagagagg ggagatctca 360  
 ctctctgcc gctgtgctag ccccaaa 388

<210> 292  
 <211> 3992  
 <212> DNA/RNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:primer

<220>  
 <221> misc\_feature  
 <222> (1)..(3992)  
 <223> colony stimulating factor 1 receptor,  
 formerly mcdonough feline sarcoma viral (v-fms)  
 oncogene homolog (CSF1R) gene.

<400> 292  
 ggcttcaggga agggcagaca gagtgtccaa aagcgtgaga gcacgaagtg aggagaaggt 60  
 ggaagaagaga gaagaggaag aggaagagga agagaggaag cggagggaac tgcggccagg 120  
 ctaaaagggg aagaagagga tcagcccaag gaggaggaag aggaaaacaa gacaaacagc 180  
 cagtcgagag gagaggaacg tgtgtccagt gtcccgatcc ctgcggagct agtagctgag 240  
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 atgggcccag gagttctgct gctcctgctg gtggccacag cttggcatgg tcagggaatc 360  
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 cgatgtgtg gcaatggcag cgtggaatgg gatggcccc catcacctca ctggaccctg 480  
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 gggcccccag ccttgacact ggtgcctgca gagctggtgc ggattcgagg ggaggtgcc 960  
 cagatcgtgt gctcagccag cagcgttgat gtttaacttg atgtcttctt ccaacacaa 1020

```

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ccccatact ggtactgctg taatgagcca agtggcagct aaaagtgtgg ggtgttctgc 3840
ccagtccegt cattctgggc tagaaggcag gggaccttgg cattgctgg ccacacaag 3900
caggaagcac aaactcccc aagctgact c atcttaacta acagtacgc cgtgggagt 3960
ctctgtccac attaaactaa cagcattaat gc 3992

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&lt;210&gt; 293

&lt;211&gt; 356

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

<221> misc\_feature  
 <222> (1)..(356)  
 <223> 3' terminal sequence. friend leukemia virus  
 integration 1 (FLI1) gene.

<400> 293  
 tttatttagt caaattattt tacaacatgg ncttctttga cagttgtcag cttaacactt 60  
 aatatagtta aaaaagtc aa caattacctg caaaattata tataatnnaa tgtctaaaaa 120  
 tatgtngctt atatatagca ggaaaatccc tctctctcac aagggaagt ttcgttgttt 180  
 tncccagagc tgtgattatn gcagtactgt tacacgcatt tccaaagcat taaaganta 240  
 aatgggatta tctttnccct gcttgtgtat gcctgtnaaa taactgtacc agtggccttg 300  
 ctttctcata ggtcagtgac ttaaacagcc ctgtttcctt ttcggctata g ggcac 356

<210> 294  
 <211> 465  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:primer

<220>  
 <221> misc\_feature  
 <222> (1)..(465)  
 <223> 5' terminal sequence. friend leukemia virus  
 integration 1 (FLI1) gene.

<400> 294  
 gaccaaagca gtttcttgtc aatacacggg gttcagtatg acacagaatc atggacttaa 60  
 ccggtcatgt tctggtttga gatttagtga caaatagagg tgggaagcct ataactaat 120  
 tttaggagga ccaaattcag tggatggcaa ctggaacatt gattgtaagg ccagtgaagt 180  
 tttcacccaa ctggaatttg atggaagaa ggtt tgtgtg ttaagacgc caagggcatt 240  
 gcagaatccc tctcagttga cagtatgcac tcagctgacc actctctcta gccaatagtc 300  
 aagatatgga actaaggaaa ttttaatgcc aaattacata cattcctgaa agacggggga 360  
 attaaatna ctaattttnt ttttttttt ttaaatgatn gacagtggn tccccgaact 420  
 tgggaaangt tgtaggggnt ttctaaacc aagncgattc gcant 465

<210> 295  
 <211> 2957  
 <212> DNA/RNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:primer

<220>  
 <221> misc\_feature  
 <222> (1)..(2957)  
 <223> friend leukemia virus integrati on 1 (FLI1)  
 gene.

<400> 295  
 gaattcccaa acgtgcacag gggagtgaag gcagggcgct cgcagggggc acgcaggagg 60  
 ggcccagggc gccagggagg ccgcgccggg ctaatccgaa ggggctgcga ggtcaggctg 120  
 taacccgggc aatgtgtgga atattggggg gctcgggtgc agacttggcc aaatggacgg 180  
 gactattaag gaggtctctg cgggtggtga gcagcaccag tccctctttg actcagcgta 240  
 cggagcgcca gcccatctcc ccaaggccga catgactgcc tcggggagtc ctgactacgg 300  
 gcagccccc aagatcaacc cctcccccac acagcaggag tggatcaatc agccagtgag 360  
 ggtcaacgtc aagcgggag atgaccacat gaatggatcc agggagtctc c ggtggactg 420

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cagcgttagc aaatgcagca agctggtggg cggaggcgag tccaacccca tgaactacaa 480
cagctatatg gacgagaaga atggccccc tcttcccaac atgaccacca acgagaggag 540
agtcacgtgc cccgcagacc ccacactgtg gacacaggag catgtgaggc aatggctctga 600
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tggaacagga ctgtgttaaa tgaacaagga ggaacttcctc cgcgccacca cctctacaa 720
cacggaaagt ctgtgtgtac acctcagtta cctcagggaa agttcactgc tggcctataa 780
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gcggaaaagc aagcccacaa aagtgcacgg caaagatat gcttacaatt ttgacttcca 1260
tgataaaaaa attatgacca aagtgacagg ccaaaagatg tccatgtaca agtacccttc 1320
cggcattggc gactgcttgc agc cacatcc gaccgagtcg tccatgtaca agtacccttc 1320
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cgtgccttca cacttaggca gctactacta gaagcttctt ctagtgaagg cccatcctgc 1560
acacttactg gatgcttttg actcaacagg acatatgttg ccttgaaggg aagacaaaaa 1620
tggatgttct tcttgtttgg atagaacctt tgtatttgtt ctttaaaaaa atttttttta 1680
atgttggtaa cttttgttcc ctctacctga acaaaga gat gaataattcc atgggccagt 1740
atgccagttt gaattctcag tctcctagca tcttgtgagt tgcataattaa gattactgga 1800
atggttaagt catggtttcg agaaagaagc tgtacgtttt ctttatgttt ttatgaccaa 1860
agcagtttct tgtcaataca cggggttcag tatgacacag aatcatggag ttaacctgc 1920
atgttcttgt ttagagatta gtgacaaata gagggtggaa gcttataatc taatttttagg 1980
aggacaaat tcagcggatg gcaactggaa cattgattgt aaggccagtg aagttttcac 2040
ccaactgaa tttgatggaa agaaggtttg tgtgtttaag acgccaaagg cattgcagaa 2100
tcctctcag tggcagatat gcactcagct gaccactctc tctagaataa gtcaagatat 2160
gaactaagaa attttaatgc aaatacatat attcctgaaa gacggggaaat taaattacta 2220
attttttttt tttaaatgat gacagtgtgc ccagaacttg gaaaagtgtg agggatttct 2280
aaactacagc agattcgcaa gtgctgtgcg cttgtcagac catcagacca gggccaacca 2340
atcagaagc aaactactgt ataaa ttatg cagagttatt ttccatatc tcacagtatt 2400
aaaaataaaa taattacaaa ttaagaataa ataaacgagt tgacctcggt cacaaaagca 2460
gttttactat cgaatcaatc gctgttattt ttttttaagt taatttgtac atcttttttc 2520
aatctgtaca tttgggctgt cttgtatgtt tttatgtccc tttttaaaaa gcataatatg 2580
cctatagctg aaaaggaaac agggctgttt aagtcactga cttatgagaa agcaaacgac 2640
tggtagcagt atttaacagg catacacaag cagggaagaa ataatccatt tagatcttta 2700
atgctttgga aatgcgtgta acagtactgc aataatcaca gctctgggaa aaacaacgaa 2760
acttccctt gtggagagga gggattttcc tgcctcata t aagcaacata tttttagaca 2820
ttaaaatata tataattttg caggtaattg ttgacttttt taactatatt aagtgtttaag 2880
ctgacaactg tcaaaagaaga ccatgttgta aaataatttg actaataaaa tggttccttc 2940
tctcaaaaaa aaaaaaa 2957

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&lt;210&gt; 296

&lt;211&gt; 400

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(400)

<223> 3' terminal sequence. ests, highly similar  
to tvhume hepatocyte growth factor receptor  
precursor [h.sapiens] (EST R97218) gene.

&lt;400&gt; 296

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caccctctct cttcacagat cacgaagat ccatgaatg gcttgggctg cagacatttc 60
cagtcctgca gtcaatgcct ctctgccca ccccttgctc agtggtggctg gtgcaganca 120
aatgtgtgcg atcggaggaa tgcctgagcg ggacatggac tcaacagatc tgtctgcctg 180
caatctacaa ggtaggaatc tctaacagct ggcatacatg tttttgttg gtgttttttt 240
tttttttttg gtttggtttg gtttgttttt tgttttttta gatacaaatc ccactaatga 300
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ctctctcttg ggtctttatcc ctggggcagg ggagggggg 400

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&lt;210&gt; 297

&lt;211&gt; 464

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(464)

<223> 5' terminal sequence. ests, highly similar  
to tvhume hepatocyte growth factor receptor  
precursor [h.sapiens] (EST R97218) gene.

&lt;400&gt; 297

```

cgtggtgatg ttctcatagt cccaatatat gcttaagcaa ataaggcaac acagtttagca 60
tggtctgcgat gttagccaat gtccattgcc agaaactgag ttctctatca gcaagagatg 120
tgctcatctt gttctggact atatctcttc a ggactaga gggcagcctg ctaaaatggtta 180
tgcaactcaat aaatattttt ggaatgaatt aaagagtggc atggcttaca gaagtataga 240
tgttagtata gtaatccgtt gagcctttgc ttttttttct gggaacactg aaggaaagact 300
cacagccacc catgggtggt tgacctcca ctggccttgc ccacctcacc ccgggaaata 360
atcttcagtc tcaatctgtg aacagacaag gccaccntct atggcttcgg nacaggtagn 420
aaaaatgtcc tgtgtggccc cgctnggcag ggatcaccag tttg 464

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&lt;210&gt; 298

&lt;211&gt; 378

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(378)

<223> 3' terminal sequence. ets variant gene 5  
(ets-related molecule) (ETV5) gene.

&lt;400&gt; 298

```

aaataacaaa actacaaaaa tcagtttata aactgttttt caaaacaac caccaaaaaa 60
aaacaatccc ccaaatcagg gcaaaacaaa atactgtcaa aagtgttaat cgcccttctc 120
ctaaaataaa agtcatccac actcagccac gtgattggga agagaaaggg ggcttgctct 180
acttgccgac cacatggccg ggtgggtccc aagagtatgc atggtttatg attttgagaa 240
ccacggaggg ggnaaacagc tgttctgact gccccctttt ttctagacaa ggggtaatat 300
ttcagattca gctagaagag ctttccaat g ttaaatgtat atttttaanc cttaatgggtt 360
tnaggctccc ccaacttt 378

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&lt;210&gt; 299

&lt;211&gt; 317

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<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:primer

<220>
<221> misc_feature
<222> (1)..(317)
<223> 5' terminal sequence. ets variant gene 5
      (ets-related molecule) (ETV5) gene.

<400> 299
actggaagag gttgctcggc gctggggcat ccagaagaac cggccagcca tgaactatga 60
caagctgagc cgctctctcc gctattacta tgaaaagggc atcatgcaga aggtggctgg 120
agagcgatac gtctacaaat ttgtctgtga cccagatgcc ctctctctcca tggctttccc 180
ggataaccag cgctccgttc tgaaggcaga gtccgagtg caccctcagc agggaggcac 240
ctgcccgtg acccactttg aagacagccc cgcttacctc ctggacatgg accgctgcag 300
cagcctcccc tatgccg                                     317

<210> 300
<211> 4071
<212> DNA/RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:primer

<220>
<221> misc_feature
<222> (1)..(4071)
<223> ets variant gene 5 (ets-related molecule)
      (ETV5) gene.

<400> 300
gagtcacgcc gctgggtgcgc ggagcgggtc accgtcttcg gagcgggttc gccacgcctt 60
tcgcccagcg gccacggccc gctgcgcgcg tgcgtgagcg cgctcgccgc gccagggccg 120
ctgcaagggg aggagagcgg ccgcctcagg aggatccctt tccccccaga aattactcaa 180
tgctgaiaacc tctcaaagtg gtattagaga cgctgaaagc accatggacg ggttttatga 240
tcagcaagtc ccttttatgg tcccagggaa atctcgatct gaggaatgca gaggcgccgc 300
tgtgattgac agaagaggga agtttttggg cacagatctg gctcacgatt ctgaagagct 360
atttcaggat ctacgtcaac ttcaagagcg ttggttagct gaagcacaag ttccctgatga 420
tgaacagttt gtcccaga tt ttcagtctga taacctgggt ctctcatgcc caccctcaac 480
caagatcaaa cgggagctgc acagccctc ctctgagctg tctgtctgta gccatgagca 540
ggctcttggt gctaaactatg gagaaaaagt cctctacaac tattgtgcct atgataggaa 600
gcctccctct ggggtcaagc cattaacccc tctacaacc cccctctcac ccacccatca 660
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tggcccgatt caaggtgtgg gccccgcccc cgcccccat tgccttcag agcctggacc 780
acagcagcaa acatttgagg tccccgacc accacatcag cccctgcaga tgccaagat 840
gatgcctgaa aaccagatc catcagaaca gagatttc ag agacaactgt ctgaaccctg 900
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taactgccag tcactctaca tgagagggc ttatttctcc agcagccatg aaggttttcc 1200
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cattgcctgg acaggtcgag gcatggagtt caagctgata gaaccggaag aggttgctcg 1440
gcgctggggc atccagaaga accggccagc catgaactat gacaagctga gccctctctc 1500

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ccgctattac tatgaaaagg gcatcatg ca gaaggtggct ggagagcgat acgtctacaa 1560
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cctgaagcca gagtcaggat gccacctcag cgaggaggac accctgcgcg tgaccacctt 1680
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gtatataaca tgtgtcatgt cctttggaaa cctggtcacc tggtgaaaac ccttgggat 2940
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gaacctgcca gctgatttga aatactttca ccctgcgag ggcgatgac atcctgcca 4020
gctgcgttat attctgtact gtgtacaata aagaagtttg cttttcgttt a 4071

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<210> 301  
 <211> 407  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:primer

<220>  
 <221> misc\_feature  
 <222> (1)..(407)  
 <223> 3' terminal sequence. cyclin-dependent  
 kinase 4 (CDK4) gene.

<400> 301  
 nccngtataa aaaaggacc caaatataaa ggtagggaaa gggacaagag ggaacata cc 60



196/292

```

ccttagtgta gagaaatggg aaggagaagg agaagcctca aaaggngagg tgggagggga 120
atgtcattaa ggcagcaaaag taatctctgt agaaagatgg agggaggacc tccatagcct 180
cagagntaaa ggcaaagntt gccctctcag tntcngaag ggaaatggca gctttttctc 240
cttccatggg cagccactcc attgctcact ccggatt acc ttcactctta tgtaggataa 300
gggtgctgca gagctcgaaa gggcagagat tcgcttntgt ggggttaaaa gtcagccttt 360
ncccgcagca gctttgtctc cccgactcct necttttcag gnaccce 407

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&lt;210&gt; 302

&lt;211&gt; 405

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(405)

<223> 5' terminal sequence. cyclin -dependent  
kinase 4 (CDK4) gene.

&lt;400&gt; 302

```

attcgnaca gaggaggagg tggaggaggc cttcccatca gcacagtctg tgagggtgct 60
ttactgaggc gactggaggc ttttgagca t cccaatgttg tccggctgat ggacgtctgt 120
gccacatccc gaactgacog ggagatcaag gtaaccctgg tgtttgagca tgtagaccag 180
gcactaagga catatctgga caaggcacc cccaccaggct tgcagccga aacgatcaag 240
gatctgatcg gccagtctct aagaggccta gatttccttc atgccaatg catcgttcac 300
cgaggatctg aagccagaga acattctggg tgacaagtgg ttgganacgt caagctggct 360
ggactttggg cctgggcagn aatctanacg cttaccagat gggca 405

```

&lt;210&gt; 303

&lt;211&gt; 420

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(420)

<223> 3' terminal sequence. v -yes-1 yamaguchi  
sarcoma viral oncogene homolog 1 (YES1) gene.

&lt;400&gt; 303

```

caatgagaac tttttatttc aattatccac aaaacaatat tacaactactt tataaaaaata 60
ttaagtttag gctaccatta ttcatttaaa aaagtgtgct agaaggctgt ttttgccaac 120
ttcctttttt ggtaagggtt aacttccaca ttaagacact gaagacgaaa agctgttggt 180
aaaatatctc caaatttaca aagttgtttt tcttggggcaa tttaaaaata cagganacat 240
ttaaantgaa tacacattaa ggttaggtgt tttatcccta ctatacaatt gttattatat 300
agggaaactg tcctcten gg ttaaancctt aatggaatac ccatcaactt ttcccggccc 360
ntactttccc nggattgggg tttagggtac ctaaacggga aatttaggtc nccccntttg 420

```

&lt;210&gt; 304

&lt;211&gt; 4517

&lt;212&gt; DNA/RNA

&lt;213&gt; Artificial Sequence